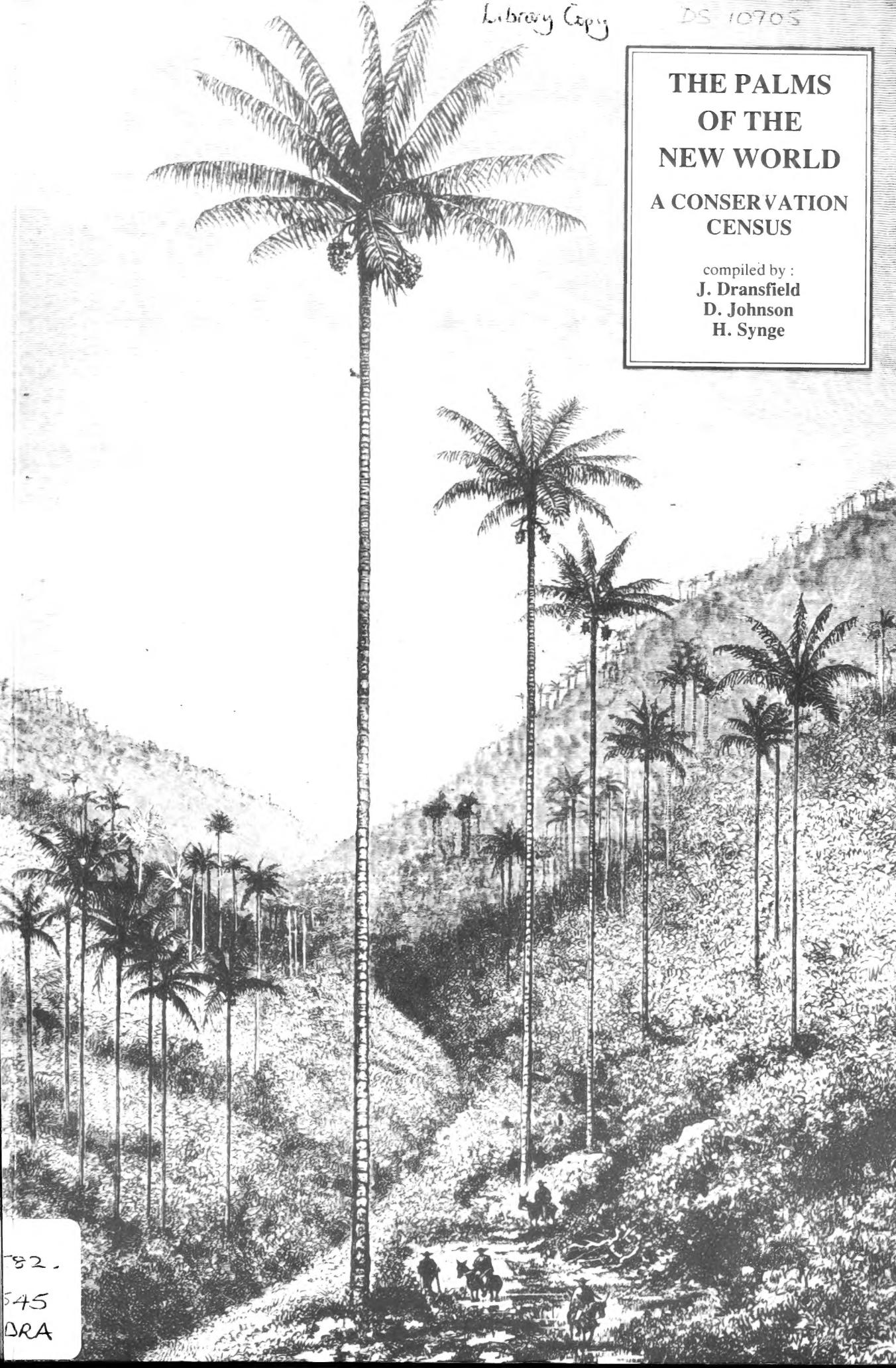


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THE PALMS  
OF THE  
NEW WORLD  
A CONSERVATION  
CENSUS

compiled by :  
**J. Dransfield**  
**D. Johnson**  
**H. Synge**



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Cover: *Ceroxylon quindiuense* from the Quindío Pass in Colombia, a palm now threatened by widespread forest destruction. Drawing by Edouard André in *Le Tour du Monde* (1878). Cover design by J C V Heywood.

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World Conservation Monitoring Centre

# THE PALMS OF THE NEW WORLD

## A CONSERVATION CENSUS

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Compiled by:  
**J. Dransfield, D. Johnson and H. Syng**

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*Dennis Johnson* is a geographer and economic botanist based in Washington and a specialist in Latin American palms. He is presently Deputy Chairman of the Palm Specialist Group.

*Hugh Syngle* is a freelance plant conservationist who was formerly Head of the Threatened Plants Unit of IUCN and is presently working for WWF as their Plants Programme Consultant.

## *FOREWORD*

It gives me great satisfaction to introduce this conservation census of the palms of the New World. The palm family is one of major scientific and horticultural importance and provides a wide array of economically important products. It is one of the richest sources of under-exploited species and the focus of considerable research. Yet palms tend to be neglected in conservation and forest management plans, partly due to ignorance or lack of knowledge. It is to be hoped that this publication will help to redress the balance, at least for the New World species, and focus attention in conservation circles on this unique group of plants.

This is the first published list for a family, or part of one, issued by TPU, and complements the regional threatened plant lists on which TPU established its reputation. Its compilation has been a very time-consuming task, and might seem hard to justify on purely conservation grounds, as it identifies only 278 threatened taxa out of 1102 taxa overall. The census may be more useful as a catalogue of the diversity of palms in the New World, than as a guide to the urgent rescue action of endangered species. On the other hand, whole populations of individual species are being eliminated by forest clearance before we are able to work out the total genetic variation of these species, such is the level of our ignorance.

From IUCN's point of view, however, the list is also important as a model of how taxonomically sound and up-to-date computerised checklists can be compiled for individual plant families. The need for such compilations of important plant families is becoming increasingly apparent in the absence of comprehensive floristic accounts for many countries. When Hugh Syngle and John Dransfield started work on the palm census in the mid 1970s, the only computer available for this work at Kew was the Wang VS purchased for the work of the IUCN threatened species staff and so the data were fed into this system. The advent of the Personal Computer (PC) means that it is now possible for individual botanists to compile such databases themselves, as part of their everyday work. This has the advantage that the specialist can have the database at the fingertips for his or her own use, rather than be dependent on TPU for answering enquiries and providing printouts. A PC with a hard disk of 20 megabytes or more could well handle a database on a family of 2000 species or so.

IUCN would welcome hearing from botanists in a position to prepare family checklists, especially for families of economic or horticultural importance, so that forms of collaboration with TPU and other parts of the Plants Programme can be worked out together. We would hope that botanists with such family databases would be prepared to allow TPU access, say once a year, so that the data can be fully used for plant conservation. The importance of maintaining the TPU database, as a global overview, up to date and as complete as possible, is shown by the key role it played in the establishment of the Joint IUCN-WWF Plants Conservation Programme. This programme combines the various elements needed to make a comprehensive plant conservation plan and information system, together with logistic support, institutional links, specialist networks, methodological support and field work.

Finally, it is a pleasure to thank the authors of this Census for their hard work, enthusiasm and specialist skills which have combined to produce this excellent work. It is to be hoped that it will serve as a model and stimulus for similar enterprises.

December 1987

Professor Vernon Heywood  
Head of Plant Conservation  
IUCN

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## INTRODUCTION

Work on this census of palms started in the mid 1970s, when two of the authors, J. Dransfield and H. Syngle, started to assemble data on individual palm species under threat, as a contribution to the emerging IUCN datafile on threatened plants of the world. This work was greatly stimulated by H.E. Moore's masterly paper (1977) on endangerment in palms. It soon became clear that a full checklist of the family was needed to evaluate the conservation needs of individual species and to assign priorities for conservation action.

After initial work on lists of palms for S.E. Asian countries, staff working for IUCN's Threatened Plants Committee Secretariat made a card index of all the palms in S.F. Glassman's "A Revision of B.E. Dahlgren's Index of American Palms". This was put onto the IUCN computer. Lists were then printed out of all the palms in each country and circulated for comment. In particular, recipients were asked to assign IUCN conservation categories (the Red Data Book categories) to individual species where they had field knowledge of present wild status in the wild. Many categories were assigned by H.E. Moore, in March 1980, and since then contributions have been made by E. Pingitore (Argentina), A. Borhidi (for Cuba) and R.W. Read (for the Caribbean), among others.

The results were incorporated into the IUCN database and made available as required. Since 1983 this database has been the responsibility of the IUCN Threatened Plants Unit, a part of the IUCN Conservation Monitoring Centre and since 1987 a component of the Joint IUCN-WWF Plants Conservation Programme.

As part of the Plants Programme, in 1985 WWF-US funded a one-year project on the status of palms in the Americas, entitled "Economic Botany and Threatened Species of the Palm Family in Latin America and the Caribbean" (WWF 3322). It was carried out by Dr Dennis V. Johnson, in collaboration with Dr Robert W. Read and Dr Michael J. Balick. It had two main objectives: a) To assess the current utilization of wild, semi-managed and cultivated native palms in Latin America and the Caribbean; and b) To conduct research on the *in situ* and *ex situ* conservation status of the palms of the same region. The results of the first part are outlined in the next chapter and the results of the second are summarised below.

To assess the present conservation status of threatened palms in the region was a large undertaking, since nearly half of the estimated 2700 palm species of the world are native to the American tropics. It would have been impossible in the time available to examine every palm that had been assigned a threatened category in the TPU database, let alone every species in the region.

It was decided to limit the project to those palms that had been recorded as Extinct or Endangered on a world basis. The final report contained details on 46 Endangered palms and 2 Extinct palms, and added a further five species as Endangered. The full report of the project was prepared by D. Johnson in September 1986 and its results incorporated into the TPU database in early 1987. The report also included a very useful list of the palms of the Dominican Republic and Haiti (by T.A. Zanoni), and a preliminary checklist of Ecuadorian palms (by H. Balslev), which added many new records, as well as contributions on the palms of Mexico (H.J. Quero), Caribbean and Central America (R.W. Read), Colombia (R.G. Bernal) and Bolivia (S.G. Beck).

As part of the general work of the Threatened Plants Unit, the authors have also screened the relatively few threatened plant lists for the region, such as that of Vovides (1981) for Mexico. A number of categories were also assigned as part of IUCN's project to compile a threatened plant list for Middle America (Mexico to Panama), being carried out by Jane Lamlein Villa-Lobos at the Plant Conservation Unit, Department of Botany, Smithsonian Institution. D. Johnson negotiated agreement on the conservation and taxonomic status of the

U.S.A. palms, with The Nature Conservancy, the U.S. Fish and Wildlife Service and the Center for Plant Conservation (Boston); these three bodies all have substantive databases on North American threatened plants. In 1986-7, also, Dr A. Borhidi kindly assigned categories for all the Cuban palms, following his threatened plant list for the island (with O. Muniz, 1983) and his taxonomic checklist of the Cuban palms (Muniz and Borhidi, 1982).

Wherever possible, the authors have followed recent revisions of genera, e.g. Read (1975) on *Thrinax*, and Quero and Read (1986) on *Gaussia*. In late 1987, H. Syngue made a final screening of the recently completed "Index Kewensis" from 1975 to 1986 to check for any new names. J. Dransfield refined the taxonomy, bringing the genera on the list into line with *Genera Palmarum* (Uhl and Dransfield, 1987). The list was then printed out from the TPU database on 4 January 1988.

Regrettfully, a full record was not maintained of all the works screened and consulted, but all those that provided new names or new area records, within the constraints of the TPU data-sourcing system, are listed as data sources at the end of the list.

In conclusion, we would like to acknowledge the extent to which the task of compiling this census has been eased by the use of S.F. Glassman's "A Revision of B.E. Dahlgren's Index of American Palms" (Glassman, 1972). This provided a much valued starting point, from which the "Index Kewensis" and the "Kew Record of Taxonomic Literature" could be used as a source of additional names and references. From these works, we were able to build up a preliminary census which could then be refined, taxonomically, nomenclaturally and geographically. We are nevertheless well aware that many taxa on our list are in need of critical taxonomic reappraisal. In some instances, e.g. *Acrocomia* and *Iriartea*, critical taxonomic studies by other workers have progressed far enough for us to know that there are too many names in the census, but insufficiently far for us to be able to make use of their conclusions. Nevertheless, by means of the database, the list can be kept permanently up-to-date.

We would, therefore, cordially invite our colleagues in palm botany to let us know of any changes that should be made and perhaps to spare us reprints of papers on the taxonomy, distribution and conservation status of New World palms. In return, the TPU will be happy to consider making printouts available to *bona-fide* field workers and conservationists, either for an individual genus or for a country in the region. For details, please write to the Threatened Plants Unit, 53 The Green, Kew, Richmond, Surrey TW9 3AA, U.K., or to Dr J. Dransfield, The Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, U.K.

## *ECONOMIC BOTANY OF NEW WORLD PALMS*

Palm utilization represented one of the two major foci of the WWF-US project on the status of palms in the Americas. An unexpected side-effect of the rapid forest clearing taking place throughout the New World tropics is the impact on local inhabitants who rely upon forests for palm products, among a considerable number of others. The investigation set out to document, through published accounts, personal knowledge and rapid field surveys, the extent to which such local populations - indigenous or not - exploited wild stands of palms for their own subsistence needs, as well as for commercial products such as oilseeds, fiber, fruit and palm hearts.

A major task in this undertaking was to ascertain the correct scientific identity of the palms being exploited. In addition, data were gathered on wild palms under incipient stages of management or domestication to identify more accurately those species having potential for modern forest management or tree crop development. One important conclusion is that current patterns of utilization by local people *per se* do not significantly threaten wild palm populations. Forest loss from clearing land for agriculture, from mining, hydroelectricity or urbanization, poses by far the chief threat.

Seven geographic areas of known high palm exploitation were selected for study: Mexico, the Caribbean and Central America, Hispaniola, Colombia, Peru, Bolivia and Brazil. In the case of first three areas, the studies were on palm species in general over the region. In South America, investigations were focused on specific regions within the countries; these regions were the Colombian Pacific Region, the Peruvian Amazon centered on Iquitos, two regions in eastern lowland Bolivia, and three regions in Brazil: the Lower Amazon, the babaçu palm forest in the Northeast, and the piaçava palm forest of the East Coast. Six palm specialists collaborated in this research.

Results of the study were analyzed and an Action Plan written containing five major recommendations. This plan was presented to WWF-US, who are funding a follow-up project on its implementation.

Recommendation 1 deals with international trade of ornamental palms, and suggests that a study to be done to determine the amount of trade in entire live plants and leaves of the genus *Chamaedorea* originating from Mexico and Central America. The project clearly showed that the nursery trade is threatening species of this genus in the wild.

The second recommendation addresses the subject of palm forest management. Because palms are not regarded as timber species they are generally disregarded by foresters. New World tropical palms represent an unrecognized and under-developed renewable natural resource. An accurate, country-by-country survey was called for to calculate the quantity and value of wild palm products, as an initial step toward integration of palms into tropical forest management plans.

Recommendation 3 concerns under-developed promising palm species. It states that further studies need to be carried out to bring potentially valuable commercial species under improved management systems, into cultivation and eventual full domestication. Oilseed palms and species exploited for palm hearts are obvious candidates.

Recommendation 4 focuses on the lack of detailed information on the ethnobotany of palms among indigenous peoples, and urges that further studies be carried out. Fast disappearing cultural groups possess valuable ethnobiological information, as well as knowledge of forest resource utilization; both are of potential utility to present and future generations.

The final recommendation is concerned with general awareness about palm utility. It suggests that palm specialists devote more time and energy to publicizing palm utility among fellow professionals, conservationists and educators.

### ***CONCLUSION***

As shown on pp. 27-28, the list contains 1102 taxa of which 278 are threatened. Of these 278 threatened taxa, 1 is Extinct/Endangered, 51 are Endangered, 2 are Endangered/Vulnerable, 76 are Vulnerable, 50 are Rare and 98 are Indeterminate. (At species level, the figures are 1 Extinct/Endangered, 50 Endangered, 2 Endangered/Vulnerable, 72 Vulnerable, 48 Rare and 97 Indeterminate.) We regard these figures as under-estimating the threat to palms, because the status is unknown (unassigned) for over half of them (643 taxa). Therefore, the true number of palms in some danger is likely to be much higher. Also, assessment of threatened status refers to the survival of the taxon, and does not measure genetic erosion or decline, which can have very severe effects on economic potential.

We are also very much aware of the inadequacies of the list. Many genera are in urgent need of revision and the distribution of many taxa is poorly known. However, it should be regarded as a working list for conservation purposes which will continue to be refined. Already, its use has stimulated inputs from palm enthusiasts and specialists.

What is now urgently required is follow-up action, particularly in the field to relocate palms identified as being possibly under threat, to verify their conservation status and make practical suggestions as to how they may be conserved. The project to follow up the action plan, funded by WWF-US (July 1987 - June 1988), is dealing with the most critical palm conservation needs. In this way the stage will be set for action at the national level with local organizations taking the lead.

Investigations in the New World have spawned interest in palm conservation in Asia. WWF-International has approved a two-year project (1987-88) focused on Indonesia, Malaysia, the Philippines and possibly India. Sub-projects have been designed in the respective countries. The project is being directed by Dr Dennis V. Johnson and Dr John Dransfield.

Results so far in the New World have contributed significant new data and refined our knowledge of the conservation status of the Palmae. For millenia, this unique and useful plant family has provided us with necessities of life, as well as with ornamental species of great beauty. Today palms need the favour returned so that they may continue to survive and contribute to the support and enjoyment of mankind.

## *EXPLANATION OF THE LIST*

The list is a printout from the TPU database (file THRPLANT) using the PLANTSEL selection program and the PLTMREP formatting programme. With the exception of the footnote on page 1, it has not been edited as text. Some notes are given below on the values of each field and on interpretation of the format.

### *Geographical Coverage*

The list covers all palms that are native to the New World. The term "New World" is interpreted here to cover the TPU regions of North America (Canada, conterminous United States with Alaska), Middle America (Mexico to Panama), Caribbean (including Bermuda), and South America. To this we added the following islands with native palms from the TPU Pacific region - Guadelupe (Mexico), Juan Fernandez and Isla del Coco (Costa Rica).

### *Plant Names*

The list provides a nomenclaturally correct, accepted scientific plant name for each taxon, as far as can be determined.

Subspecies and varieties have been included where they are distinct in the view of the authors, but have otherwise been omitted; coverage here is not entirely consistent, but the percentage of new world palms described below species level is low. Quadrinomials are not permitted by the TPU system, since under the Nomenclatural Code every combination of Genus, Species and lowest infraspecific name must be unique.

New species are included either in the form of the Genus followed by the term "sp. nov." or by the name in press, the authority being followed by the term "ined.". Where it has been decided to include a taxon in synonymy under another, but the new synonymy has not yet been published, the first name is omitted from the list.

Cultivated and introduced species are *not* included.

Authorities are abbreviated in accordance with the Draft Kew Author Index (1980).

Natural hybrids are excluded from the TPU database as a matter of policy. Nevertheless, they represent taxa that provide valuable taxonomic insights into problematic species as well as genera. Appendix 1, by Michael J. Balick, lists the interspecific and intergeneric hybrids so far identified.

### *Distribution*

The distribution of each taxon in each of the 600 CMC areas follows in the middle columns. These areas are normally countries or islands, but can be states in the case of federal countries such as the United States, Mexico and Brazil. For reasons of space, the area names are 15 letters or less, and therefore may not accord to the proper and full names of the countries concerned.

Each area record refers to the definite occurrence of the taxon in the area. Predicted occurrences are omitted. A question mark preceding the area name means that that record is a doubtful one.

In some cases, the area names are followed by a geographical qualifier, placed in brackets. This is a short piece of free text to qualify the distribution given.

#### *Area conservation category*

The area, with or without geographical qualifier, is followed by the IUCN conservation category for the degree of threat to the survival of the taxon in that area. The categories are defined on page xiii, below. A booklet on their application, with examples, is available from the TPU. Note that the category refers to the status of wild and naturalised populations, and does not take account of cultivated populations.

#### *Area data source*

The area category is followed in most cases by the area data source. This is a number which indicates the source for the record of the plant's occurrence in that area. There is an index of the data sources used at the end of the report, taken from the TPU's bibliographic datafile. Note that the area data source refers to the presence of the taxon in the area; it does *not* refer to the conservation category for its status there; the data sources for conservation categories are not indicated in this report, since they are covered in a separate TPU database which permits multiple, conflicting values to be held for any plant in any area.

A comma separates the information about each area.

#### *Column 1: Regional Conservation Category*

The IUCN conservation status for the degree of threat to the taxon in the TPU region concerned, in this case North America, Middle America, Caribbean, South America, Pacific, South Atlantic, as outlined above.

#### *Column 2: World Conservation Category*

The IUCN conservation status as applied to the plant at a world level.

#### *Column 3: The data source for the plant name*

The source of the plant name. This is not necessarily the best source for data on the plant, but simply the one from which the compiler took the name, including its taxonomic status, spelling and authority.

#### *Column 4: The distribution completeness flag*

This indicates whether or not the distribution of the plant given is complete or not. Key:

- Y: Distribution complete;
- N: Distribution incomplete;
- ? Not known whether distribution complete;
- Space: Taxon confined to one CMC area.

## *Notes on Data Sources*

The data sourcing system was developed by TPU in 1985-6 and is being widely applied to clusters of fields throughout the database to indicate the source of the data. TPU commend it to those designing databases that provide an overview of other, more extensive information, in this case in the literature. In each case a single number refers to an entry in the TPU bibliographic file (CCAL).

There are times when a single number is not sufficient, and here TPU have developed a complex set of rules for application. Only the two most common situations are explained here:

*Multiple data sources.* If each source is more or less equally reliable and each gives all the data needed, the data source is the one first used by TPU. Only if a newer reference is much more reliable does it replace the original datasource. If more than two references are needed to provide the data in the field, the code 9997 (multiple data sources) is used.

*Name changes.* The TPU database does not yet have the facility to store synonyms, awaiting final decisions on the Minimal Functional Nomenclator to be made by the Taxonomic Databases Working Group. When a name is changed from one value to another in the database, the name data source is replaced by 9996 (code for name change), but the area record data sources do not change, and can remain records which used the previous plant name. Therefore a paper screened for name changes may have been screened by TPU and used in the report, but will not appear in the list of data sources. This flaw will be corrected when a synonym facility is added to the TPU database.



## *DEFINITIONS OF THE IUCN CONSERVATION (RED DATA BOOK) CATEGORIES*

### *A. THREATENED CATEGORIES*

#### *Extinct (Ex)*

Taxa which are no longer known to exist in the wild after repeated searches of their type localities and other known or likely places.

#### *Endangered (E)*

Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating.

Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction.

#### *Vulnerable (V)*

Taxa believed likely to move into the Endangered category in the near future if the causal factors continue operating.

Included are taxa of which most or all the populations are *decreasing* because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously *depleted* and whose ultimate security is not yet assured; and taxa with populations that are still abundant but are *under threat* from serious adverse factors throughout their range.

#### *Rare (R)*

Taxa with small world populations that are not at present Endangered or Vulnerable, but are at risk.

These taxa are usually localized within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

#### *Indeterminate (I)*

Taxa *known* to be Extinct, Endangered, Vulnerable or Rare but where there is not enough information to say which of the four categories is appropriate.

### *B. UNKNOWN CATEGORIES*

#### *Status Unknown (?)*

No information.

#### *Candidate (C)*

Taxa whose status is being assessed and which are suspected but not yet definitely known to belong to any of the above categories.

### *Insufficiently known (K)*

Taxa that are suspected but not definitely known to belong to any of the above categories, following assessment, because of the lack of information.

### *C. NOT THREATENED CATEGORY*

#### *Safe (nt)*

Neither rare nor threatened.

#### *NOTES*

1. Some combinations are permitted, falling into two series. Within the threatened categories, the following combinations are permitted, signifying that the plant is definitely in one or the other of the two categories concerned:

|                       |      |
|-----------------------|------|
| Extinct/Endangered    | Ex/E |
| Endangered/Vulnerable | E/V  |
| Endangered/Rare       | E/R  |
| Vulnerable/Rare       | V/R  |

Between the threatened categories and the safe (not threatened) category, the following signify that the plant is on the *borderline* between the two categories concerned:

|                           |      |
|---------------------------|------|
| Vulnerable/not threatened | V/nt |
| Rare/not threatened       | R/nt |

It does *not* signify that the plant could be anywhere on the scale encompassed by those categories; if that was the case, the category Unknown should be used. V/nt may, however, be used for plants threatened in a major part of their range, but safe elsewhere.

*REFERENCES (for Introductory section)*

Borhidi, A. and Muniz, O. (1983). *Catalogo de Plantas Cubanias Amenazadas o Extinguidas*. Edit. Academia. 85p.

Glassman, S.F. (1972). *A Revision of B.E. Dahlgren's Index of American Palms*. Phanerogamarum Monographiae Tomus VI, Cramer, 3301 Lehre. 294p.

Johnson, D.V., with Read, R.W., Balick, M.J. (1986). Economic botany and threatened species of the palm family in Latin America and the Caribbean. Part 1: Economic Botany of the Palm Family on Latin America and the Caribbean. Part 2. The status of threatened species of the palm family in Latin America and the Caribbean. Mimeo. 30 September 1986. Final report on WWF 3322.

Moore, H.E., jr (1979). Endangerment at the specific and generic levels in palms. *Principes* 23(2): 47-64. Reprinted from Prance and Elias, eds, 1977.

Muniz, O. and Borhidi, A. (1982). Catalogo de las palmas de Cuba. *Acta Botanica Academiae Scientiarum Hungaricae* 28(3-4): 309-345.

Quero, H.J. and Read, R.W. (1986). A revision of the palm genus *Gaussia*. *Syst. Bot.*, 11(1): 145-154.

Read, R.W. (1975). The genus *Thrinax* (Palmae: Coryphoideae). *Smithson. Contr. Bot.*, No. 19. 98p.

Uhl, N.W. and Dransfield, J. (1987). *Genera Palmarum, a classification of palms based on the work of H.E. Moore, Jr.* L.H.Bailey Hortorium and the International Palm Society, Allen Press, Kansas, U.S.A.

Vovides, A.P. (1981). Lista preliminar de plantas Mexicanas raras o en peligro de extincion. *Biotico* 6(2): 219-228.



Plant nameDistribution (Cons. status) (Data-source)

1

2

3

4

ANGIOSPERMÆPALMAE

|  |  |    |    |       |   |
|--|--|----|----|-------|---|
| <i>Acoelorrhaphis wrightii</i> H.Wendl. ex Becc.                             | Bahamas I (8766), Cuba (IP; PR; M; CA) nt (9774), Florida (south) nt (8766), Belize ? (9998), Guatemala ? (9998), Honduras ? (8020), Mexico ? (8020)   | nt | nt | 8020  | N |
| * <i>Acrocomia aculeata</i> (Jacq.f.) Lodd. ex Mart.                         | Antigua/Barbuda (only Antigua) ? (8767), ? Barbados ? (8767), Dominica ? (8767), Grenada ? (8767), Guadeloupe (incl. Marie Galante) ? (8767), Martinique ? (8767), St Kitts-Nevis (only St Kitts) ? (8767), St Lucia ? (8767), St Vincent ? (8767) | nt | nt | 8020  | Y |
| <i>Acrocomia antioquiensis</i> Posada-Arango                                 | Colombia nt (8020)   | nt | nt | 8020  |   |
| <i>Acrocomia chunta</i> Covas & Ragon.                                       | Argentina E (8020), Bolivia nt (8743)  | nt | nt | 8020  | Y |
| <i>Acrocomia eriocantha</i> Barb. Rodr.                                      | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia glaucocephala</i> Drude   | Brazil (Atlantic forest) ? (8743)  | ?  | ?  | 8020  |   |
| <i>Acrocomia iheriensis</i> L.H.Bailey                                       | Trinidad/Tobago ? (8020)   | ?  | ?  | 8020  |   |
| <i>Acrocomia intumescens</i> Drude   | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia lasiospatha</i> Mart.   | French Guiana (open coastal savannas) V (8020), Guyana ? (8020), Suriname ? (8020)   | ?  | ?  | 8020  | Y |
| <i>Acrocomia media</i> O.F.Cook  | Puerto Rico nt (8020)  | nt | nt | 8020  |   |
| <i>Acrocomia mexicana</i> Karw. ex Mart.                                     | Belize ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico ? (8020)  | nt | nt | 8020  | Y |
| <i>Acrocomia microcarpa</i> Barb. Rodr.                                      | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia mokayayba</i> Barb. Rodr.                                       | Brazil ? (8020), Paraguay ? (8774)   | ?  | ?  | 8020  | Y |
| <i>Acrocomia odorata</i> Barb. Rodr.   | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia panamensis</i> L.H.Bailey                                       | Panama ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia pilosa</i> Leon   | Cuba (Guantanamo) R (9774)   | R  | R  | 9244  |   |
| <i>Acrocomia quisqueyana</i> L.H.Bailey                                      | Dominican Rep. R (5642), Haiti (Port-de-Paix & nr Duchity) ? (10874)   | ?  | ?  | 8020  | Y |
| <i>Acrocomia spinosa</i> (Miller) H.E.Moore                                  | Jamaica nt (8020)  | nt | nt | 8020  |   |
| <i>Acrocomia subinermis</i> Leon ex L.H.Bailey                               | Cuba (Ciud. Habana) I (5607)   | I  | I  | 5607  |   |
| <i>Acrocomia totai</i> Martius   | Argentina E (8020), Bolivia ? (8020), Paraguay ? (8020)  | nt | nt | 8020  | Y |
| <i>Acrocomia ulei</i> Dammer   | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia viegasii</i> L.H.Bailey   | Brazil (Atlantic forest) ? (8743)  | ?  | ?  | 8020  |   |
| <i>Acrocomia vinifera</i> Oersted  | Costa Rica nt (8020), El Salvador ? (8020), Nicaragua ? (8020), Panama ? (8020)  | nt | nt | 8020  | Y |
| <i>Acrocomia wallaceana</i> (Drude) Becc.                                    | Brazil ? (8020)  | ?  | ?  | 8020  |   |
| <i>Acrocomia</i> sp. (= <i>Acanthococos</i> (a) <i>emensis</i> Toledo)       | Sao Paulo (Brazilian Highlands) E (8020)   | E  | E  | 9995  |   |
| <i>Acrocomia</i> sp. (= <i>Acanthococos</i> (b) <i>hassleri</i> Barb. Rodr.) | Paraguay ? (8020)  | ?  | ?  | 9995  |   |
| <i>Acrocomia</i> sp. (= <i>Acanthococos</i> (c) <i>sericea</i> Burret)       | Brazil ? (8020)  | ?  | ?  | 9995  |   |
| <i>Aiphanes acanthophylla</i> (Mart.) Burret                                 | Puerto Rico R (8020)   | R  | R  | 8020  |   |
| <i>Aiphanes acaulis</i> Galeano & R.Bernal                                   | Colombia (Choco, 2 populations) ? (10741)  | ?  | ?  | 10741 |   |
| <i>Aiphanes aculeata</i> Willd.  | Venezuela ? (8020)   | ?  | ?  | 8020  |   |
| <i>Aiphanes caryotifolia</i> (H.B. & K.) H.Wendl.                            | Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)   | ?  | ?  | 9997  | Y |
| <i>Aiphanes concinna</i> H.E.Moore   | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes deltoidea</i> Burret   | Peru ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes disticha</i> (Wallis ex Regel) Burret                            | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes duquei</i> Burret  | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes echinocarpa</i> Dugand   | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes eggersii</i> Burret  | Ecuador ? (8020)   | ?  | ?  | 8020  |   |
| <i>Aiphanes erinacea</i> (Karsten) H.Wendl.                                  | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes ernestii</i> Burret  | Brazil ? (8020), Peru ? (8020)   | ?  | ?  | 8020  |   |
| <i>Aiphanes fosteriorum</i> H.E.Moore  | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes fuscopubens</i> L.H.Bailey                                       | Panama I (8020)  | I  | I  | 8020  |   |
| <i>Aiphanes gelatinosa</i> H.E.Moore   | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes gracilis</i> Burret  | Peru ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes hirsuta</i> Burret   | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes kalbreyeri</i> Burret  | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes killipii</i> (Burret) Burret                                     | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes leiopatha</i> Burret   | Colombia ? (8020)  | ?  | ?  | 8020  |   |
| <i>Aiphanes leiostachys</i> Burret   | Colombia ? (8020)  | ?  | ?  | 8020  |   |

See end for explanation of Fields labelled 1 to 4

\* According to Lleras and Coradin (pers. comm.), except for the species previously included in *Acanthococos*, all taxa in *Acrocomia* represent variants of one widespread taxon, *A. aculeata*.

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| <u>Plant name</u>                                     | <u>Distribution</u>  | <u>(Cons. status)</u> | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|--|-----------------------|----------------------|----------|----------|----------|----------|
| PALMAE (Cont.)  |  |                       |                      |          |          |          |          |
| Aiphanes lindeniana (H.Wendl.)<br>H.Wendl.            | Colombia ? (8020)  |                       |                      | ?        | ?        |          | 8020     |
| Aiphanes linearis Burret                              | Colombia ? (8020)  |                       |                      | ?        | ?        |          | 8020     |
| Aiphanes luciana L.H.Bailey                           | Dominica I (8767), St Lucia I (8767)   | I                     | I                    |          |          | 8020     | Y        |
| Aiphanes macroloba Burret                             | Colombia ? (8020), Ecuador ? (9000)  | ?                     | ?                    |          |          | 8020     | Y        |
| Aiphanes monostachys Burret                           | Colombia ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes orinocensis Burret                           | Venezuela V (8020)   | V                     | V                    |          |          | 8020     |          |
| Aiphanes pachyclada Burret                            | Colombia ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes parvifolia Burret                            | Colombia ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes praemorsa (Poeppig ex Mart.)<br>Burret       | Peru ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes schultzeana Burret                           | Ecuador ? (8020)   | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes simplex Burret                               | Colombia ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes sp.A (Barbados)                              | Barbados R (8776)  | R                     | R                    |          |          | 9996     |          |
| Aiphanes sp.B (Grenada)                               | Grenada R (8775)   | R                     | R                    |          |          | 9996     |          |
| Aiphanes tessmannii Burret                            | Peru ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes truncata (Bronn ex Mart.)<br>H.Wendl.        | Bolivia ? (8020)   | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes ulei (Dammer) Burret                         | Peru ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Aiphanes vincentiana L.H.Bailey                       | St Vincent I (8020)  | I                     | I                    |          |          | 8020     |          |
| Aiphanes weberbaueri Burret                           | Peru ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Allagoptera anisitsii (Barb. Rodr.)<br>H.E.Moore      | Paraguay ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Allagoptera arenaria (Gomes) Kuntze                   | Brazil (Atlantic forest) V (8743)  | V                     | V                    |          |          | 8020     |          |
| Allagoptera campestris (Mart.) Kuntze                 | Brazil nt (8020)   | nt                    | nt                   |          |          | 8020     |          |
| Allagoptera hassleriana (Barb. Rodr.)<br>H.E.Moore    | Paraguay ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Allagoptera leucocalyx (Drude) Kuntze                 | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Ammandra decasperma O.F.Cook                          | Colombia (Costa del Pacific) V (8743),<br>Ecuador ? (9000)   | ?                     | ?                    |          |          | 8020     | Y        |
| Asterogyne martiana (H.Wendl.)<br>H.Wendl. ex Hemsley | Belize ? (9998), Costa Rica ? (9998),<br>Guatemala ? (9998), Honduras ? (9998),<br>Mexico ? (8020), Nicaragua ? (9998), Panama ?<br>(9998) | nt                    | nt                   |          |          | 8020     | Y        |
| Asterogyne ramosa (H.E.Moore)<br>J.G.W.Boer           | Colombia ? (8020)  | ?                     |                      |          |          | 8020     |          |
| Asterogyne spicata (H.E.Moore)<br>J.G.W.Boer          | Venezuela R (8020)   | R                     | R                    |          |          | 8020     |          |
| Astrocaryum acaule Mart.                              | Brazil ? (8020), Colombia ? (8020)   | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum aculeatissimum (Schott)<br>Burret         | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum aculeatum G.Meyer                         | Trinidad/Tobago ? (8020), Brazil ? (8020),<br>Guyana ? (8020), Suriname ? (8020)   | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum alatum H.F.Loomis                         | Costa Rica K (8020), Panama K (8020)   | V                     | V                    |          |          | 8020     | Y        |
| Astrocaryum burity Barb. Rodr.                        | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum campestre Mart.                           | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum caudescens Barb. Rodr.                    | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum chambira Burret                           | Brazil ? (8020), Colombia ? (8020), Ecuador ?<br>(9000), Peru ? (8020)   | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum chonta Mart.                              | Bolivia ? (8020), Peru ? (8020)  | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum confertum H.Wendl. ex<br>Burret           | Costa Rica ? (8020), Panama ? (8020)   | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum cuatrecasanum Dugand                      | Colombia ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum echinatum Barb. Rodr.                     | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum giganteum Barb. Rodr.                     | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum gymnopus Burret                           | Venezuela ? (8020)   | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum gynacanthum Mart.                         | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum horridum Barb. Rodr.                      | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum huaimi Mart.                              | Bolivia ? (8020), Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     | Y        |
| Astrocaryum huebneri Burret                           | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum huicungo Dammer ex Burret                 | Peru nt (8020)   | nt                    | nt                   |          |          | 8020     |          |
| Astrocaryum jauari Mart.                              | Brazil nt (8020), Colombia ? (8020),<br>Ecuador ? (9000), Guyana ? (8020), Peru ?<br>(8020), Suriname ? (8020)                             | nt                    | nt                   |          |          | 8020     | Y        |
| Astrocaryum javarensis (Trail) Trail ex<br>Drude      | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum kewense Barb. Rodr.                       | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |
| Astrocaryum leiospatha Barb. Rodr.                    | Brazil ? (8020)  | ?                     | ?                    |          |          | 8020     |          |

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| <u>Plant name</u>                                   | <u>Distribution (Cons. status)</u>   | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|--|--------------------|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>                               |  |                    |          |          |          |          |
| <i>Astrocaryum macrocalyx</i> Burret                | Colombia ? (8020), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Astrocaryum macrocarpum</i> Huber                | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Astrocaryum malybo</i> Karsten                   | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Astrocaryum manaoense</i> Barb. Rodr.            | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Astrocaryum mexicanum</i> Liebm. ex Mart.        | Belize ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico ? (8020)      | nt                 | nt       | 8020     | Y        |          |
| <i>Astrocaryum munbaca</i> Mart.                    | Brazil nt (8020), Suriname nt (8020)   | nt                 | nt       | 8020     |          |          |
| <i>Astrocaryum murumuru</i> Mart.                   | Brazil nt (8020), Ecuador ? (9000)   | nt                 | nt       | 8020     | Y        |          |
| <i>Astrocaryum paramaca</i> Mart.                   | Brazil nt (8020), French Guiana ? (8020), Suriname ? (8020)                  | nt                 | nt       | 8020     | Y        |          |
| <i>Astrocaryum pygmaeum</i> Drude                   | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Astrocaryum rodriquesii</i> Trail                | Brazil ? (8020), Suriname ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Astrocaryum sciophilum</i> (Miq.) Pulle          | Brazil ? (8020), French Guiana nt (8020), Suriname ? (8020)                  | nt                 | nt       | 8020     | Y        |          |
| <i>Astrocaryum standleyanum</i> L.H.Bailey          | Costa Rica V (8020), Panama V (8020)   | V                  | ?        | 8020     | Y        |          |
| <i>Astrocaryum trachycarpum</i> Burret              | Colombia V (8020), Ecuador ? (9000)  | ?                  |          |          |          |          |
| <i>Astrocaryum ulei</i> Burret                      | Ecuador ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Astrocaryum urostachys</i> Burret                | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Astrocaryum vulgare</i> Mart.                    | Ecuador ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Astrocaryum weddellii</i> Drude                  | Brazil nt (8020), French Guiana ? (8020), Suriname ? (8020)                  | nt                 | nt       | 8020     |          |          |
| <i>Astrocaryum yaupaperyense</i> Barb. Rodr.        | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Attalea allenii</i> H.E.Moore ex L.H.Bailey      | Panama K (8020), Colombia K (8020)   | V                  | V        | 8020     | Y        |          |
| <i>Attalea amygdalina</i> H.B. & K.                 | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Attalea apoda</i> Burret                         | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Attalea attaleoides</i> (Barb. Rodr.) J.G.W.Boer | Brazil ? (8020), Suriname ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Attalea borgesiana</i> Bondar                    | Brazil (Atlantic forest) V (8743)  | V                  | V        | 8020     |          |          |
| <i>Attalea burretiana</i> Bondar                    | Bahia (Reconcavo) E (8743)   | E                  | E        | 8020     |          |          |
| <i>Attalea camposportoana</i> Burret                | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea colenda</i> Balslev & A.Henderson        | Colombia (Narino) ? (10746), Ecuador (Western Andean slopes) ? (10746)       | ?                  | ?        | 9996     | ?        |          |
| <i>Attalea compta</i> Mart.                         | Brazil (Atlantic forest) ? (8743)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea concentrista</i> Bondar                  | Bahia R (8743)   | R                  | R        | 8020     |          |          |
| <i>Attalea concinna</i> (Barb. Rodr.) Burret        | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea dahlgreniana</i> (Bondar) J.G.W.Boer     | Brazil ? (8020), Suriname ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Attalea dubia</i> (Mart.) Burret                 | Brazil (Atlantic forest) ? (8743)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea exigua</i> Drude                         | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea ferruginea</i> Burret                    | Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)                       | ?                  | ?        | 8020     | Y        |          |
| <i>Attalea funifera</i> Mart. ex Sprengel           | Brazil nt (8020)   | nt                 | nt       | 8020     |          |          |
| <i>Attalea geraensis</i> Barb. Rodr.                | Brazil (Atlantic forest) ? (8743)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea guaranitica</i> Barb. Rodr.              | Paraguay (Atlantic forest) ? (8743)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea hoehnei</i> Burret                       | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea humilis</i> Mart. ex Sprengel            | Brazil (Atlantic forest) ? (8743)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea lapidea</i> (Gaertn.) Burret             | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea monosperma</i> Barb. Rodr.               | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea nucifera</i> Karsten                     | Colombia ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea oleifera</i> Barb. Rodr.                 | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea pindobassu</i> Bondar                    | Bahia nt (8743)  | nt                 | nt       | 8020     |          |          |
| <i>Attalea rhynchosarpa</i> Burret                  | Colombia ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea septuagena</i> Dugand                    | Colombia (Amazon) E (8743)   | E                  | E        | 8020     |          |          |
| <i>Attalea tessmannii</i> Burret                    | Peru (Amazon) E (8743)   | E                  | E        | 8020     |          |          |
| <i>Attalea uberrima</i> Dugand                      | Colombia ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Attalea victoriana</i> Dugand                    | Colombia (Cordillera Occ. & Central) E (8743)                                | E                  | E        | 8020     |          |          |
| <i>Bactris acanthocarpa</i> Mart.                   | Brazil (Atlantic forest) ? (8743), ? Venezuela ? (8020)                      | ?                  | ?        | 8020     | Y        |          |
| <i>Bactris acanthocarpoides</i> Barb. Rodr.         | Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020) | nt                 | nt       | 8020     |          |          |
| <i>Bactris acanthospatha</i> (Trail) Trail ex Drude | Brazil ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Bactris actinoneura</i> Drude & Trail ex Drude   | Brazil ? (8020), Peru ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Bactris acuminata</i> Liebm. ex Mart.            | Mexico ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Bactris alleniana</i> L.H.Bailey                 | Panama I (8020)  | I                  | I        | 8020     |          |          |

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| <u>Plant name</u>                                 | <u>Distribution (Cons. status)</u>  | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|----------------------|----------|----------|----------|----------|
| PALMAE (Cont.)                                    |   |                      |          |          |          |          |
| Bactris amoena Burret                             | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   |                      | ?        | ?        | 8020     | Y        |
| Bactris angustifolia Dammer                       | Brazil ? (8020), Peru ? (8020)  |                      | ?        | ?        | 8020     | Y        |
| Bactris anisitsii Barb. Rodr.                     | Paraguay ? (8020)   |                      | ?        | ?        | 8020     |          |
| Bactris aristata Mart.                            | Brazil ? (8020)   |                      | ?        | ?        | 8020     |          |
| Bactris armata Barb. Rodr.                        | Brazil ? (8020)   |                      | ?        | ?        | 8020     |          |
| Bactris arundinacea (Trail) Drude                 | Brazil ? (8020)   |                      | ?        | ?        | 8020     |          |
| Bactris atrox Burret                              | Brazil ? (8020)   |                      | ?        | ?        | 8020     |          |
| Bactris aubletiana Trail                          | French Guiana nt (8020), Suriname ? (8020)  | nt                   | nt       | 8020     | Y        |          |
| Bactris augustinea L.H.Bailey                     | Nicaragua ? (8020), Panama ? (8020)   | ?                    | ?        | 8020     | Y        |          |
| Bactris aureodrupa L.H.Bailey                     | Panama I (8020)   | I                    | I        | 8020     |          |          |
| Bactris baculifera Karw. ex Mart.                 | Mexico ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris baileyania H.E.Moore ex L.H.Bailey        | Costa Rica K (8020), Panama K (8020)  | I                    | I        | 8020     | Y        |          |
| Bactris balanoidea (Oersted) H.Wendl.             | Belize ? (9998), Costa Rica ? (9998), El Salvador ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico ? (8020), Nicaragua ? (9998), Panama I (8020) | nt                   | nt       | 8020     | Y        |          |
| Bactris balanophora Spruce                        | Brazil ? (8020), Colombia ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris barronii L.H.Bailey                       | Panama I (8020)   | I                    | I        | 8020     |          |          |
| Bactris bella Burret                              | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris bergantina Steyermark                     | Venezuela V (8020)  | V                    | V        | 8020     |          |          |
| Bactris bicuspidata Spruce                        | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris bidentula Spruce                          | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris bifida Mart.                              | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris bijugata Burret                           | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris braudei Burret                            | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris campestris Poeppig ex Mart.               | Trinidad/Tobago ? (8020), Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)   | ?                    | ?        | 8020     | Y        |          |
| Bactris capillacea (Trail) Trail ex Drude         | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris capinensis Huber                          | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris caribaea Karsten                          | Colombia ? (8020), Venezuela ? (8020)   | ?                    | ?        | 8020     | Y        |          |
| Bactris caryotaefolia Mart.                       | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris caudata H.Wendl. ex Hemsley               | Costa Rica ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris chaetochlamys Burret                      | Brazil ? (8020), Peru ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris chaetospatha Mart.                        | Brazil ? (8020), Colombia ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris chapadensis Barb. Rodr.                   | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris chloracantha Poeppig ex Mart.             | Brazil ? (8020), Peru ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris chlorocarpa Burret                        | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris ciliata (Ruiz & Pavon) Mart.              | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris circularis L.H.Bailey                     | Trinidad/Tobago ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris coccinea Barb. Rodr.                      | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris coloniata L.H.Bailey                      | Panama I (8020)   | I                    | I        | 8020     |          |          |
| Bactris coloradensis L.H.Bailey                   | Panama I (8020)   | I                    | I        | 8020     |          |          |
| Bactris concinna Mart. ssp. concinna              | Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Guyana ? (8020), Peru ? (8020)  | nt                   | nt       | 8020     | Y        |          |
| Bactris concinna Mart. ssp. depauperata Trail     | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris confluens Linden & H.Wendl. ex H.Wendl.   | Venezuela ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris constanciae Barb. Rodr.                   | Brazil ? (8020), Suriname ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris corossilla Karsten                        | Venezuela ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris cruegeriana Griseb. & H.Wendl. ex Griseb. | Trinidad/Tobago ? (8020), Guyana ? (8020), Suriname ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris cubensis Burret                           | Cuba (Guantanamo; Holguin) nt (9774)  | nt                   | nt       | 9244     |          |          |
| Bactris cuesta Crueger ex Griseb.                 | Trinidad/Tobago ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris cuello F. Engel                           | Colombia ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris curuena (Trail) Drude                     | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris cuspidata Mart.                           | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   | ?                    | ?        | 8020     | Y        |          |
| Bactris cuviro Karsten                            | Colombia ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris cuyabaensis Barb. Rodr.                   | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris dahlgreniana Glassman                     | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris dasychaeta Burret                         | Costa Rica ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris dianeura Burret                           | Nicaragua ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris diviscupula L.H.Bailey                    | Costa Rica ? (8020), Panama ? (8020)  | ?                    | ?        | 8020     | Y        |          |
| Bactris duidae Steyermark                         | Venezuela ? (8020)  | ?                    | ?        | 8020     |          |          |
| Bactris duplex H.E.Moore ex L.H.Bailey            | Colombia ? (8020)   | ?                    | ?        | 8020     |          |          |
| Bactris elatior A.R.Wallace                       | Brazil ? (8020)   | ?                    | ?        | 8020     |          |          |

| <u>Plant name</u>                                     | <u>Distribution</u>   | <u>(Cons. status)</u> | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|-----------------------|----------------------|----------|----------|----------|----------|
| PALMAE (Cont.)  |   |                       |                      |          |          |          |          |
| <i>Bactris elegans</i> B.Rodr. & Trail ex Barb. Rodr. | Brazil nt (8020), Guyana ? (8020), Suriname ? (8020)  | nt                    | nt                   | 8020     | Y        |          |          |
| <i>Bactris ericetina</i> Barb. Rodr.                  | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris erostrata</i> Burret                       | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris escragnollei</i> Glaziou ex Burret         | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris eumorpha</i> Trail                         | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris exaltata</i> Barb. Rodr.                   | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris falcata</i> J.R.Johnston                   | Venezuela ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris faucium</i> Mart.                          | Bolivia ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris ferruginea</i> Burret                      | Brazil (Atlantic forest) ? (8743)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris fissifrons</i> Mart.                       | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris floccosa</i> Spruce                        | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris formosa</i> Barb. Rodr.                    | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris fragae</i> Lindman                         | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris fusca</i> Oersted                          | Costa Rica ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris fuscospina</i> L.H.Bailey                  | Panama I (8020)   | 1                     | 1                    | 8020     |          |          |          |
| <i>Bactris gasipaes</i> H.B. & K.                     | Central America ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020) | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris gastoniana</i> Barb. Rodr.                 | Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020)                  | nt                    | nt                   | 8020     | Y        |          |          |
| <i>Bactris gaviona</i> (Trail) Trail ex Drude         | Brazil ? (8020), Suriname ? (8020)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris geonomoides</i> Drude                      | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris glandulosa</i> Oersted                     | Costa Rica ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris glaucescens</i> Drude                      | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris gracilior</i> Burret                       | Costa Rica ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris gracilis</i> Barb. Rodr.                   | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris granularisarpa</i> Barb. Rodr.             | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris granatensis</i> (Karsten) H.Wendl.         | Colombia ? (8020), Venezuela nt (8020)  | nt                    | nt                   | 8020     | Y        |          |          |
| <i>Bactris guineensis</i> (L.) H.E.Moore              | Costa Rica nt (8020), Nicaragua ? (8020), Panama ? (8020), Colombia ? (8020)                  | nt                    | nt                   | 8020     | Y        |          |          |
| <i>Bactris gymnospatha</i> Burret                     | Venezuela ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris hirta</i> Mart.                            | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris hondurensis</i> Standley                   | Honduras ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris hoppii</i> Burret                          | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris horrida</i> Oersted                        | Costa Rica ? (8020), Nicaragua ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris huebneri</i> Burret                        | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris humilis</i> (A.R.Wallace) Burret           | Brazil ? (8020), Colombia ? (8020), Guyana ? (8020), Suriname ? (8020)                        | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris hylophila</i> Spruce                       | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris incommoda</i> Trail                        | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris inermis</i> Trail ex Barb. Rodr.           | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris infesta</i> Mart.                          | Bolivia ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris insignis</i> (Mart.) Baillon               | Bolivia V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Bactris integrifolia</i> A.R.Wallace               | Brazil ? (8020), Suriname ? (8020), Venezuela ? (8020)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris interruptepinnata</i> Barb. Rodr.          | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris inundata</i> Mart.                         | Bolivia ? (8020), Brazil ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris jamaicana</i> L.H.Bailey                   | Jamaica R (8020)  | R                     | R                    | 8020     |          |          |          |
| <i>Bactris juruensis</i> Trail                        | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris kalmreyeri</i> Burret                      | Colombia ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris kuhlmannii</i> Burret                      | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris lakoi</i> Burret                           | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris lanceolata</i> Burret                      | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris leptospadix</i> Burret                     | Brazil ? (8020), Colombia ? (8020)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris leucacantha</i> Linden ex H.Wendl.         | Colombia ? (8020), Venezuela ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris lindmanniana</i> Drude ex Lindman          | Brazil (Atlantic forest) ? (8743)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris littoralis</i> Barb. Rodr.                 | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris longifrons</i> Mart.                       | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris longipes</i> Poeppig ex Mart.              | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris longipetiolata</i> H.Wendl. ex Hemsley     | Costa Rica ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris longiseta</i> H.Wendl. ex Burret           | Costa Rica V (8020)   | V                     | V                    | 8020     |          |          |          |
| <i>Bactris macana</i> Mart.                           | Venezuela nt (8020)   | nt                    | nt                   | 8020     |          |          |          |
| <i>Bactris macroacantha</i> Mart.                     | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris macrocarpa</i> A.R.Wallace                 | Brazil ? (8020)   | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris macrotricha</i> Burret                     | Colombia ? (8020)   | ?                     | ?                    | 8020     |          |          |          |

See end for explanation of Fields labelled 1 to 4

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| <u>Plant name</u>                                    | <u>Distribution (Cons. status) (Data-source)</u>  | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|----------|----------|----------|----------|
| PALMAE (Cont.)                                       |   |          |          |          |          |
| Bactris major Jacq.f.                                | Belize ? (8020), Costa Rica ? (8020),<br>Honduras ? (8020), Mexico ? (8778), Panama ?<br>(8020), Trinidad/Tobago (both islands) ?<br>(8020), Brazil ? (8020), Colombia ? (8020),<br>Guyana ? (8020), Suriname ? (8020),<br>Venezuela ? (8020) | ?        | nt       | 8020     | Y        |
| Bactris maraja Mart.                                 | Bolivia ? (8020), Brazil ? (8020), Colombia ? nt<br>(8020), Guyana ? (8020), Peru ? (8020),<br>Suriname nt (8020)   | nt       | nt       | 8020     | Y        |
| Bactris maraja-acu Barb. Rodr.                       | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris mattogrossensis Barb. Rodr.                  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris megistocarpa Burret                          | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris mexicana Mart.                               | Mexico ? (8020)   | ?        | ?        | 8020     |          |
| Bactris microcalyx Burret                            | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris microcarpa Spruce                            | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris microspadix Burret                           | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris militaris H.E.Moore                          | Costa Rica (Golfo Dulce) E (8743)   | E        | E        | 8020     |          |
| Bactris mitis Mart.                                  | Brazil ? (8020), Colombia ? (8020), Peru ?<br>(8020)  | ?        | ?        | 8020     | Y        |
| Bactris monticola Barb. Rodr.                        | Brazil ? (8020), Colombia ? (8020), Guyana ?<br>(8020), Peru ? (8020), Suriname ? (8020),<br>Venezuela ? (8020)   | ?        | ?        | 8020     | Y        |
| Bactris multiramosa Burret                           | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris nemorosa Barb. Rodr.                         | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris obovata Burret                               | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| Bactris oligocarpa Barb. Rodr. & Trail<br>ex B.Rodr. | Brazil ? (8020), Suriname ? (8020)  | ?        | ?        | 8020     | Y        |
| Bactris oligoclada Burret                            | Guyana ? (8020), Suriname ? (8020)  | ?        | ?        | 8020     | Y        |
| Bactris ottostapfeana Barb. Rodr.                    | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris paucijuga Barb. Rodr.                        | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris paula L.H.Bailey                             | Panama I (8020)   | I        | I        | 8020     |          |
| Bactris pectinata Mart.                              | Brazil ? (8020), French Guiana K (8777)   | ?        | ?        | 8020     | Y        |
| Bactris penicillata Barb. Rodr.                      | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris pickelii Burret                              | Brazil (Atlantic forest) ? (8743)   | ?        | ?        | 8020     |          |
| Bactris pilosa Karsten                               | Colombia ? (8020), Venezuela ? (8020)   | ?        | ?        | 8020     | Y        |
| Bactris piranga Trail                                | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris piritu (Karsten) H.Wendl.                    | Colombia ? (8020), Venezuela R (8020)   | ?        | ?        | 8020     | Y        |
| Bactris platyacantha Burret                          | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris platyspina (Barb. Rodr.)<br>Burret           | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris plumeriana Mart.                             | Dominican Rep. I (5642), Haiti I (10874)  | I        | I        | 8020     | ?        |
| Bactris polyclada Burret                             | Brazil (Atlantic forest) ? (8743)   | ?        | ?        | 8020     |          |
| Bactris porschiana Burret                            | Costa Rica V (8020)   | V        | V        | 8020     |          |
| Bactris ptariana Steyermark                          | Venezuela R (8020)  | R        | R        | 8020     |          |
| Bactris pubescens Burret                             | Costa Rica ? (8020)   | ?        | ?        | 8020     |          |
| Bactris pulchella Burret                             | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris pulchra (Trail) Trail ex Drude               | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris raphidacantha J.G.W.Boer                     | Suriname R (8020)   | R        | R        | 8020     |          |
| Bactris riparia Mart.                                | Brazil ? (8020), Colombia ? (8020), Peru ?<br>(8020)  | ?        | ?        | 8020     | Y        |
| Bactris sanctae-paulae F.Engel                       | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| Bactris schultesii (L.H.Bailey)<br>Glassman          | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| Bactris setiflora Burret                             | Ecuador ? (8020)  | ?        | ?        | 8020     |          |
| Bactris setosa Mart.                                 | Brazil (Atlantic forest) ? (8743)   | ?        | ?        | 8020     |          |
| Bactris setulosa Karsten                             | Venezuela ? (8020)  | ?        | ?        | 8020     |          |
| Bactris sigmoidea Burret                             | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| Bactris simplex Burret                               | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris simplicifrons Mart.                          | Trinidad/Tobago ? (8020)  | ?        | nt       | 8020     | Y        |
|  | Brazil nt (8020), Colombia ? (8020),<br>Ecuador ? (9000), French Guiana ? (8020),<br>Guyana ? (8020), Peru ? (8020), Suriname ?<br>(8020), Venezuela ? (8020)   | nt       |          |          |          |
| Bactris socialis Mart.                               | Bolivia ? (8020), Brazil ? (8020)   | ?        | ?        | 8020     | Y        |
| Bactris sphaerocarpa Trail                           | Bolivia ? (8020)  | ?        | ?        | 8020     |          |
| Bactris standleyana Burret                           | Costa Rica ? (8020)   | ?        | ?        | 8020     |          |
| Bactris sworderiana Becc.                            | Trinidad/Tobago (only Tobago) ? (8020)  | ?        | ?        | 8020     |          |
| Bactris syagroides Trail ex Barb.<br>Rodr.           | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris sylvatica Barb. Rodr.                        | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| Bactris tomentosa Mart.                              | Brazil ? (8020)   | ?        | ?        | 8020     |          |

See end for explanation of Fields labelled 1 to 4

| <u>Plant name</u>  | <u>Distribution</u>  | <u>(Cons. status)</u> | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|--|-----------------------|----------------------|----------|----------|----------|----------|
| PALMAE (Cont.)   |  |                       |                      |          |          |          |          |
| <i>Bactris trailiana</i> Barb. Rodr.   | Brazil ? (8020), French Guiana R (8777)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris trichophylla</i> Burret   | Belize ? (8020), Guatemala ? (8020)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris tucum</i> Burret  | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris turbinata</i> Mart.   | Brazil ? (8020), Venezuela ? (8020)  | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris turbinocarpa</i> Barb. Rodr.  | Brazil ? (8020), Suriname ? (8020)   | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Bactris umbraticola</i> Barb. Rodr.   | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris umbrosa</i> Barb. Rodr.   | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris unaensis</i> Barb. Rodr.  | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris venezuelensis</i> Steyermark  | Venezuela V (8020)   | V                     | V                    | 8020     |          |          |          |
| <i>Bactris vexans</i> Burret   | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris vulgaris</i> Barb. Rodr.  | Brazil ? (8020)  | ?                     | ?                    | 8020     |          |          |          |
| <i>Bactris wendlandiana</i> Burret   | Costa Rica V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Barcella odora</i> (Trail) Drude  | Brazil ? (8020)  | ?                     | ?                    | 9996     |          |          |          |
| <i>Brahea aculeata</i> (T.S.Brandegee)<br>H.E.Moore                                    | Mexico V (8020)  | V                     | V                    | 9996     |          |          |          |
| <i>Brahea armata</i> S.Watson  | Mexico K (8020)  | K                     | K                    | 9996     |          |          |          |
| <i>Brahea bella</i> L.H.Bailey   | Mexico R (8020)  | R                     | R                    | 8020     |          |          |          |
| <i>Brahea berlandieri</i> H.H.Bartlett   | Nuevo Leon E (9114)  | E                     | E                    | 8020     |          |          |          |
| <i>Brahea brandegeei</i> (C.A.Purpus)<br>H.E.Moore                                     | Mexico nt (8020)   | nt                    | nt                   | 9996     |          |          |          |
| <i>Brahea conzattii</i> H.H.Bartlett   | Mexico V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Brahea decumbens</i> Rzed.  | Mexico V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Brahea dulcis</i> (H.B. & K.) Mart.   | Guatemala ? (8020), Veracruz ? (9114), San<br>Luis Potosi ? (9114)   | V                     | V                    | 8020     | Y        |          |          |
| <i>Brahea edulis</i> S.Watson  | Guadalupe (island slopes) R (8743)   | R                     | R                    | 9996     |          |          |          |
| <i>Brahea moorei</i> L.H.Bailey ex H.E.Moore   | Mexico V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Brahea nitida</i> Andre   | Mexico V (8778)  | V                     | V                    | 8778     |          |          |          |
| <i>Brahea pimo</i> Becc.   | Mexico V (8020)  | V                     | V                    | 9996     |          |          |          |
| <i>Brahea prominens</i> L.H.Bailey   | Guatemala K (8020), Mexico K (8020)  | V                     | V                    | 8020     | Y        |          |          |
| <i>Brahea salvadorensis</i> H.Wendl. ex Becc.  | El Salvador ? (8020), Guatemala ? (8020),<br>Honduras ? (8020)   | V                     | V                    | 9996     | Y        |          |          |
| <i>Brahea</i> sp. (= <i>Erythea</i> clara<br>L.H.Bailey)                               | Mexico ? (8020)  | ?                     | ?                    | 9995     |          |          |          |
| <i>Butia archeri</i> (Glassman) Glassman   | Brazil ? (8020)  | ?                     | ?                    | 9996     |          |          |          |
| <i>Butia arenicola</i> (Barb. Rodr.) Burret  | Brazil ? (8020), Paraguay ? (8020)   | ?                     | ?                    | 9996     | Y        |          |          |
| <i>Butia capitata</i> (Mart.) Becc.  | Brazil (Atlantic forest) nt (8743), Uruguay ?<br>(8020)  | nt                    | nt                   | 9996     | Y        |          |          |
| <i>Butia eriospatha</i> (Mart. ex Drude)<br>Becc.                                      | Brazil (Atlantic forest) ? (8743)  | ?                     | ?                    | 9996     |          |          |          |
| <i>Butia microspadix</i> Burret  | Brazil ? (8904)  | ?                     | ?                    | 8904     |          |          |          |
| <i>Butia paraguayensis</i> (Barb. Rodr.)<br>L.H.Bailey                                 | Argentina E (8020), Brazil ? (8773),<br>Paraguay ? (8020)  | nt                    | nt                   | 9996     | Y        |          |          |
| <i>Butia poni</i> (Hauman) Burret  | Brazil (Atlantic forest) ? (8743)  | ?                     | ?                    | 8743     | ?        |          |          |
| <i>Butia purpurascens</i> Glassman   | Brazil (Cerrados in Goias) ? (8904)  | ?                     | ?                    | 8904     |          |          |          |
| <i>Butia yatay</i> (Mart.) Becc.   | Argentina ? (8020), ? Paraguay ? (8020),<br>Uruguay ? (8020)   | nt                    | nt                   | 9996     | Y        |          |          |
| <i>Calyptrogyne brachystachys</i> H.Wendl. ex<br>Burret                                | Costa Rica K (8020), Panama K (8020)   | V                     | V                    | 8020     | Y        |          |          |
| <i>Calyptrogyne condensata</i> (L.H.Bailey)<br>J.G.W.Boer                              | Costa Rica K (8020), Panama K (8020)   | V                     | V                    | 8020     | Y        |          |          |
| <i>Calyptrogyne ghiesbreghtiana</i> (Linden<br>ex H.Wendl.) H.Wendl.                   | Belize ? (9998), Guatemala ? (9998),<br>Honduras ? (9998), Mexico ? (8020),<br>Nicaragua ? (9998), Panama ? (8020) | ?                     | ?                    | 8020     | Y        |          |          |
| <i>Calyptrogyne sarapiquensis</i> H.Wendl. ex<br>Burret                                | Costa Rica V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Calyptrogyne trichostachys</i> Burret   | Costa Rica V (8020)  | V                     | V                    | 8020     |          |          |          |
| <i>Calyptronoma clementis</i> (Leon)<br>A.D.Hawkes ssp. clementis                      | Cuba (G; Gu; SC) nt (9774)   | nt                    | nt                   | 9244     |          |          |          |
| <i>Calyptronoma clementis</i> (Leon)<br>A.D.Hawkes ssp. orientensis Muniz &<br>Borhidi | Cuba (Guantanamo; Holguin) nt (9774)   | nt                    | nt                   | 9244     |          |          |          |
| <i>Calyptronoma dulcis</i> C.Wright ex<br>Griseb.                                      | Cuba (IP; PR; M; Ci) nt (9774)   | nt                    | nt                   | 9996     |          |          |          |
| <i>Calyptronoma intermedia</i> (Griseb. &<br>H.Wendl.) H.Wendl.                        | Cuba (Pinar del Rio) K (9774)  | K                     | K                    | 9244     |          |          |          |
| <i>Calyptronoma microcarpa</i> (Leon)<br>A.D.Hawkes                                    | Cuba (Ci; VC; SS) R (9774)   | R                     | R                    | 9244     |          |          |          |
| <i>Calyptronoma occidentalis</i> (Swartz)<br>H.E.Moore                                 | Jamaica nt (8020)  | nt                    | nt                   | 9996     |          |          |          |
| <i>Calyptronoma quisquesiana</i> L.H.Bailey  | Haiti R (10874)  | R                     | R                    | 9996     |          |          |          |

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| <u>Plant name</u>  | <u>Distribution (Cons. status) (Data-source)</u>   | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|--|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>  |  |          |          |          |          |
| <i>Calyptrotroma rivalis</i> (Cook) L.Bailey   | ? Dominican Rep. ?, Puerto Rico V  | V        | V        |          | Y        |
| <i>Catoblastus aequalis</i> (Cook & Doyle)<br>Burret   | Colombia (West) I (8743), Ecuador ? (9000)   | ?        | ?        | 8020     | Y        |
| <i>Catoblastus andinus</i> Dugand  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus anomalus</i> (Burret) Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus cuatrecasasii</i> Dugand  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus distichus</i> R.Bernal  | Colombia (Cordillera Occidental) ? (10743)   | ?        | ?        | 10743    |          |
| <i>Catoblastus drudei</i> O.F.Cook & Doyle   | Colombia ? (8020), Peru ? (8020), Venezuela ? (8020)   | ?        | ?        | 9996     | Y        |
| <i>Catoblastus dryanderae</i> (Burret) Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus engelii</i> H.Wendl. ex Burret  | ? Colombia ? (8020), Venezuela ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Catoblastus inconstans</i> (Dugand)<br>Glassman ex R.Bernal                                 | Colombia ? (8020)  | ?        | ?        | 9997     |          |
| <i>Catoblastus kalbreyeri</i> (Burret) Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus megalocarpus</i> (Burret)<br>Burret   | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus mesocarpus</i> Burret   | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Catoblastus microcarpus</i> Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus microcaryus</i> (Burret)<br>Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus praemorsus</i> (Willd.)<br>H.Wendl.   | Venezuela nt (8020)  | nt       | nt       | 8020     |          |
| <i>Catoblastus pubescens</i> (Karsten)<br>H.Wendl.   | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus radiatus</i> (O.F.Cook &<br>Doyle) Burret                                       | Colombia (west, Valle and Choco) V (8743)  | V        | V        | 9996     |          |
| <i>Catoblastus sphaerocarpus</i> (Burret)<br>Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Catoblastus velutinus</i> Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon alpinum</i> Bonpl.  | Colombia (Cordillera Occidental) E (8743)  | E        | E        | 8020     |          |
| <i>Ceroxylon beethovenia</i> Burret  | Colombia ? (8020), Venezuela ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Ceroxylon ceriferum</i> (Karsten) Burret  | Venezuela nt (8020)  | nt       | nt       | 8020     |          |
| <i>Ceroxylon coarctatum</i> (F.Engel)<br>H.Wendl.  | Colombia ? (8020), Venezuela ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Ceroxylon crispum</i> Burret  | Peru (Huanuco Province) E (8743)   | E        | E        | 8020     |          |
| <i>Ceroxylon ferrugineum</i> Andre   | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon floccosum</i> Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon hexandrum</i> Dugand  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon interruptum</i> (Karsten)<br>H.Wendl.   | Colombia ? (8020), Ecuador ? (8020),<br>Venezuela nt (8020)  | nt       | nt       | 8020     | Y        |
| <i>Ceroxylon latisectum</i> Burret   | Peru (Amazonas Department) E (8743)  | E        | E        | 8020     |          |
| <i>Ceroxylon parvifrons</i> (F.Engel)<br>H.Wendl.  | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Ceroxylon pityophyllum</i> (Mart.)<br>H.Wendl.  | Bolivia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Ceroxylon quindiuense</i> (Karsten)<br>H.Wendl.   | Colombia V (8020), Ecuador ? (9000)  | ?        | ?        | 8020     | Y        |
| <i>Ceroxylon schultzei</i> Burret  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon sclerophyllum</i> Dugand  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon utile</i> (Karsten) H.Wendl.  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon ventricosum</i> Burret  | Ecuador ? (8020)   | ?        | ?        | 8020     |          |
| <i>Ceroxylon verruculosum</i> Burret   | Peru (Cloud forest, Junin Prov.) E (8743)  | E        | E        | 8020     |          |
| <i>Ceroxylon vogelianum</i> (F.Engel)<br>H.Wendl.  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Ceroxylon weberbaueri</i> Burret  | Peru (Sandia Province) E (8743)  | E        | E        | 8020     |          |
| <i>Chamaedorea adscendens</i> (Dammer) Burret  | Belize ? (8020), Guatemala ? (8020)  | I        | I        | 8020     | Y        |
| <i>Chamaedorea aequalis</i> Standley &<br>Steyermark   | Guatemala I (8020)   | I        | I        | 8020     |          |
| <i>Chamaedorea affinis</i> Leibn. ex Mart.<br>Chamaedorea aguilariana Standley &<br>Steyermark | Mexico I (8020)  | I        | I        | 8020     |          |
| <i>Chamaedorea allenii</i> L.H.Bailey  | Mexico I (8020)  | I        | I        | 8020     |          |
| <i>Chamaedorea alternans</i> H.Wendl.  | Mexico I (8020)  | I        | I        | 8020     |          |
| <i>Chamaedorea amabilis</i> H.Wendl. ex<br>Dammer  | Costa Rica (Alajuela and Cartago Provs) E<br>(8743)  | E        | E        | 8020     |          |
| <i>Chamaedorea angustisecta</i> Burret   | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Chamaedorea arenbergiana</i> H.Wendl.   | Belize ? (9998), Costa Rica ? (9998),<br>Guatemala ? (8020), Honduras ? (9998),<br>Nicaragua ? (9998), Panama ? (8020) | I        | I        | 8020     | Y        |
| <i>Chamaedorea atrovirens</i> Mart.  | Mexico I (8020)  | I        | I        | 8020     |          |

See end for explanation of Fields labelled 1 to 4

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| <u>Plant name</u>  | <u>Distribution</u>   | <u>(Cons. status)</u> | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|-----------------------|--------------------|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>  |   |                       |                    |          |          |          |          |
| <i>Chamaedorea bartlingiana</i> H.Wendl.                     | Colombia ? (8020), Venezuela ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Chamaedorea bifurcata</i> Oersted                         | Costa Rica ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea boliviensis</i> Dammer                        | Bolivia ? (8020), Peru ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Chamaedorea brachyclada</i> H.Wendl.                      | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea brachypoda</i> Standley & Steyermark          | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea brevifrons</i> H.Wendl.                       | Colombia ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea carchensis</i> Standley & Steyermark          | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea casperiana</i> Klotzsch                       | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea cataractarum</i> Mart.                        | Mexico E (8020)   | E                     | E                  |          |          | 8020     |          |
| <i>Chamaedorea cocleensis</i> L.H.Bailey                     | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea columbica</i> Burret                          | Colombia (Valle) I (8743)   | I                     | I                  |          |          | 8743     |          |
| <i>Chamaedorea concinna</i> Burret                           | Colombia ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea concolor</i> Mart.                            | Mexico I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea conocarpa</i> Mart.                           | Bolivia ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea costaricana</i> Oersted                       | Costa Rica V (8020)   | V                     | V                  |          |          | 8020     |          |
| <i>Chamaedorea dammeriana</i> Burret                         | Costa Rica ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea deckeriana</i> (Klotzsch) Hemsley             | Costa Rica V (8020)   | V                     | V                  |          |          | 8020     |          |
| <i>Chamaedorea depauperata</i> Dammer                        | Brazil ? (8020), ? Peru ? (8020)  | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Chamaedorea digitata</i> Standley & Steyermark            | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea donnell-smithii</i> Dammer                    | Honduras I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea dryanderae</i> Burret                         | Colombia ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea elatior</i> Mart.                             | Guatemala K (8020), Mexico K (8020)   | I                     | I                  |          |          | 8020     | Y        |
| <i>Chamaedorea elegans</i> Mart.                             | Guatemala ? (8020)  | V                     | V                  |          |          | 8020     | Y        |
| <i>Chamaedorea ernesti-augusti</i> H.Wendl., Otto & Dietrich | Veracruz E (9114), Oaxaca E (9114)  | E                     |                    |          |          |          |          |
|  | Belize ? (9998), Guatemala ? (9998), Honduras ? (8020), Mexico (Veracruz; Chiapas) E (9997) | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Chamaedorea erumpens</i> H.E.Moore                        | Belize ? (8020), Guatemala ? (8020)   | I                     | I                  |          |          | 8020     | Y        |
| <i>Chamaedorea exorrhiza</i> H.Wendl. ex Guillaumin          | Costa Rica ? (8800), Panama ? (8785)  | ?                     | ?                  |          |          | 8800     | Y        |
| <i>Chamaedorea falcifera</i> H.E.Moore                       | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea ferruginea</i> H.E.Moore                      | Mexico E (8020)   | E                     | E                  |          |          | 8020     |          |
| <i>Chamaedorea fragrans</i> (Ruiz & Pavon) Mart.             | Peru I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea geonomiformis</i> H.Wendl.                    | Belize ? (8020), Guatemala ? (8020), Honduras ? (8020)                                      | I                     | I                  |          |          | 9997     | Y        |
| <i>Chamaedorea geonomoides</i> (Spruce) Drude                | Ecuador ? (8020), Peru ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Chamaedorea glaucifolia</i> H.Wendl.                      | Mexico E (8020)   | E                     | E                  |          |          | 8020     |          |
| <i>Chamaedorea graminifolia</i> H.Wendl.                     | Costa Rica ? (8786)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea hageniorum</i> L.H.Bailey                     | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea heilbornii</i> Burret                         | Ecuador ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea herrerae</i> Burret                           | Peru ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea holmgrenii</i> Burret                         | Ecuador ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea hoppii</i> Burret                             | Ecuador ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea humilis</i> (Liebm.) Mart.                    | Mexico I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea integrifolia</i> (Trail) Dammer               | Brazil nt (8020), Colombia ? (8020), Ecuador ? (8787), Peru ? (8020)                        | nt                    | nt                 |          |          | 8020     | Y        |
| <i>Chamaedorea kalbreyeriana</i> H.Wendl. ex Burret          | Colombia ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea karwinskyana</i> H.Wendl.                     | Mexico ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea klotzschiana</i> H.Wendl.                     | Mexico E (8020)   | E                     | E                  |          |          | 8020     |          |
| <i>Chamaedorea lanceolata</i> (Ruiz & Pavon) Kunth           | Colombia nt (8020), Ecuador ? (8787), Peru nt (8020)  | nt                    | nt                 |          |          | 8020     | Y        |
| <i>Chamaedorea latipinna</i> L.H.Bailey                      | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea latisecta</i> (H.E.Moore) A.Gentry            | Colombia ? (8020), Peru ? (8801)  | ?                     | ?                  |          |          | 8801     | Y        |
| <i>Chamaedorea lehmannii</i> Burret                          | Guatemala I (8020)  | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea leonis</i> H.E.Moore                          | Bolivia (Beni and La Paz) ? (9150)  | ?                     | ?                  |          |          | 9150     |          |
| <i>Chamaedorea lepidota</i> H.Wendl.                         | Mexico I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea liebmanni</i> Mart.                           | Mexico I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea linearia</i> L.H.Bailey                       | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea lucidifrons</i> L.H.Bailey                    | Panama I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea macroloba</i> Burret                          | Bolivia ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea macrospadix</i> Oersted                       | Costa Rica ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Chamaedorea martiana</i> H.Wendl. Otto & Dietrich         | Mexico I (8020)   | I                     | I                  |          |          | 8020     |          |
| <i>Chamaedorea megaphylla</i> A.Gentry                       | Peru (Huanuco, 1620-1760 m) Ex/E (8801)   | Ex/E                  | Ex/E               |          |          | 8801     |          |

See end for explanation of Fields labelled 1 to 4

| <u>Plant name</u>                                    | <u>Distribution (Cons. status)</u>  | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)                                       |   |                    |          |          |          |          |
| <i>Chamaedorea membranacea</i> Oersted               | Nicaragua ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea metallica</i> O.F.Cook ex H.E.Moore   | Veracruz (Cordoba) E (8743)   | E                  | E        |          | 8020     |          |
| <i>Chamaedorea micrantha</i> Burret                  | Guatemala I (8020)  |                    | I        | I        | 8020     |          |
| <i>Chamaedorea microphylla</i> H.Wendl.              | Panama I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea microspadix</i> Burret                | Mexico V (8020)   |                    | V        | V        | 8020     |          |
| <i>Chamaedorea minor</i> Burret                      | Venezuela ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea monostachys</i> Burret                | Veracruz I (9114)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea montana</i> Liebm. ex Mart.           | Mexico E (8020)   |                    | E        | E        | 8020     |          |
| <i>Chamaedorea murriensis</i> Galeano                | Colombia (One locality, Antioquia) ? (10265)  |                    | ?        | ?        | 9997     |          |
| <i>Chamaedorea nana</i> N.E.Brown                    | Costa Rica ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea neurochlamys</i> Burret               | Guatemala ? (8020), Honduras ? (8020), Mexico V (8020)  |                    | V        | V        | 8020     | Y        |
| <i>Chamaedorea nubium</i> Standley & Steyermark      | Guatemala ? (8020), Mexico ? (8020)   |                    | I        | I        | 8020     | Y        |
| <i>Chamaedorea oblongata</i> Mart.                   | Guatemala ? (9998), Honduras ? (9998), Mexico V (8020), Nicaragua ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Chamaedorea oreophila</i> Mart.                   | Mexico E (8020)   |                    | E        | E        | 8020     |          |
| <i>Chamaedorea pacaya</i> H.Wendl.                   | Costa Rica ? (8020), Panama ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Chamaedorea pachecoana</i> Standley & Steyermark  | Guatemala I (8020)  |                    | I        | I        | 8020     |          |
| <i>Chamaedorea paradoxa</i> H.Wendl.                 | Mexico I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea parvifolia</i> Burret                 | Costa Rica ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea parvisecta</i> Burret                 | Guatemala I (8020)  |                    | I        | I        | 8020     |          |
| <i>Chamaedorea pauciflora</i> Mart.                  | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Chamaedorea pavoniana</i> H.Wendl. ex Dammer      | Peru ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea pinnatifrons</i> (Jacq.f.) Oersted    | Colombia nt (8020), Ecuador ? (9000), Venezuela nt (8020)   | nt                 | nt       | 8020     | Y        |          |
| <i>Chamaedorea pittieri</i> L.H.Bailey               | Panama I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea pochutlensis</i> Liebm. ex Mart.      | Mexico I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea poeppigiana</i> (Mart.) A.Gentry      | Ecuador ? (9000), Peru (eastern slope of Andes) ? (8801)  |                    | ?        | ?        | 8801     | Y        |
| <i>Chamaedorea polyclada</i> Burret                  | Ecuador ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea pulchra</i> Burret                    | Guatemala (Alta Verapaz Department) E (8743)  | E                  | E        | 8020     |          |          |
| <i>Chamaedorea pumila</i> H.Wendl. ex Dammer         | Costa Rica ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea pygmaea</i> H.Wendl.                  | Costa Rica ? (8020), Panama ? (8020), Colombia ? (8020)   |                    | V        | V        | 8020     | Y        |
| <i>Chamaedorea quetzalteca</i> Standley & Steyermark | Guatemala I (8020)  |                    | I        | I        | 8020     |          |
| <i>Chamaedorea radicalis</i> Mart.                   | Mexico E (8020)   |                    | E        | E        | 8020     |          |
| <i>Chamaedorea rhombea</i> Burret                    | Costa Rica ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea rigida</i> H.Wendl. ex Dammer         | Mexico I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea rojasiana</i> Standley & Steyermark   | Guatemala I (8020), Mexico E (8020)   |                    | I        | I        | 8020     | Y        |
| <i>Chamaedorea ruizii</i> H.Wendl. ex Dammer         | Peru ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Chamaedorea sartorii</i> Liebm.                   | Guatemala ? (9998), Honduras ? (8020), Mexico R (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Chamaedorea scheryi</i> L.H.Bailey                | Panama I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea schiedeana</i> Mart.                  | Veracruz I (9114)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea schippii</i> Burret                   | Belize ? (8020), Guatemala ? (8020)   | I                  | I        | 8020     | Y        |          |
| <i>Chamaedorea sebertii</i> L.H.Bailey               | Panama I (8020)   | I                  | I        | 8020     |          |          |
| <i>Chamaedorea seifrizii</i> Burret                  | Yucatan E (9114), Tabasco E (9114)  | E                  | E        | 8020     | Y        |          |
| <i>Chamaedorea simplex</i> Burret                    | Guatemala I (8020), Mexico E (8743)   | I                  | I        | 8020     | Y        |          |
| <i>Chamaedorea skutchii</i> Standley & Steyermark    | Guatemala I (8020)  | I                  | I        | 8020     |          |          |
| <i>Chamaedorea smithii</i> A.Gentry                  | Peru (Rondayacu Podocarp forests) V (8801)  | V                  | V        | 8801     |          |          |
| <i>Chamaedorea sphaerocarpa</i> Burret               | Nicaragua ? (8020)  | ?                  | ?        | 8020     |          |          |
| <i>Chamaedorea stenocarpa</i> Standley & Steyermark  | Guatemala I (8020)  | I                  | I        | 8020     |          |          |
| <i>Chamaedorea stolonifera</i> H.Wendl. ex Hook.     | Mexico (south) E (9114)   | E                  | E        | 8020     |          |          |
| <i>Chamaedorea stricta</i> Standley & Steyermark     | Guatemala I (8020)  | I                  | I        | 8020     |          |          |
| <i>Chamaedorea tenella</i> H.Wendl.                  | Mexico E (8020)   | E                  | E        | 8020     |          |          |
| <i>Chamaedorea tenerima</i> Burret                   | Guatemala I (8020)  | I                  | I        | 8020     |          |          |
| <i>Chamaedorea tepejilote</i> Liebm. ex Mart.        | Costa Rica ? (9998), El Salvador ? (9998), Guatemala ? (9998), Honduras ? (9998), Mexico V (8020), Nicaragua ? (9998), Panama ? (9998), Colombia ? (8020) | ?                  | ?        | 8020     | Y        |          |

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| <u>Plant name</u>   | <u>Distribution (Cons. status)</u>  | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)  |   |                    |          |          |          |          |
| <i>Chamaedorea terryorum</i> Standley   | Panama I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea tuerckheimii</i> (Dammer)<br>Burret                                    | Guatemala I (8020), Veracruz E (9114)   |                    | I        | I        | 8020     | Y        |
| <i>Chamaedorea vulgata</i> Standley &<br>Steyermark                                   | Guatemala I (8020)  |                    | I        | I        | 8020     |          |
| <i>Chamaedorea warscewiczii</i> H.Wendl.  | Costa Rica V (8020)   |                    | V        | V        | 8020     |          |
| <i>Chamaedorea wedeliana</i> L.H.Bailey   | Panama I (8020)   |                    | I        | I        | 8020     |          |
| <i>Chamaedorea woodsoniana</i> L.H.Bailey   | Costa Rica ? (8020), Panama ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (a) <i>caudata</i><br>Burret)                | Ecuador ? (8020)  |                    | ?        | ?        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (b)<br><i>corallina</i> Karsten)             | Colombia ? (8020)   |                    | ?        | ?        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (c)<br><i>fragrans</i> Ruiz & Pavon)         | Peru I (8020)   |                    | I        | I        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (e)<br><i>linearis</i> (Ruiz & Pavon) Mart.) | Peru I (8020)   |                    | I        | I        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (f)<br><i>macrocarpa</i> Burret)             | Peru I (8020)   |                    | I        | I        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (g)<br><i>microspadix</i> Burret)            | Ecuador ? (8020)  |                    | ?        | ?        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (h) <i>montana</i><br>(H. & B.) Burret)      | Colombia ? (8020)   |                    | ?        | ?        | 9995     |          |
| <i>Chamaedorea</i> sp. (= <i>Morenia</i> (j) <i>robusta</i><br>Burret)                | Colombia ? (8020)   |                    | ?        | ?        | 9995     |          |
| <i>Chelyocarpus chuco</i> (Mart.) H.E.Moore   | Bolivia ? (8020), Brazil ? (8020), ? Peru ?<br>(8020)   |                    | I        | I        | 9996     | Y        |
| <i>Chelyocarpus dianeurus</i> (Burret)<br>H.E.Moore                                   | Colombia (west) E/V (8743)  |                    | E/V      | E/V      | 9996     |          |
| <i>Chelyocarpus ulei</i> Dammer   | Brazil I (8020), Ecuador ? (9000), Peru I<br>(8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Coccothrinax acunana</i> Leon  | Cuba (Santiago de Cuba) K (9774)  |                    | K        | K        | 9244     |          |
| <i>Coccothrinax alexandri</i> Leon ssp.<br>alexandri                                  | Cuba (Guantanamo) nt (9774)   |                    | nt       | nt       | 9998     |          |
| <i>Coccothrinax alexandri</i> Leon ssp.<br>nitida (Leon) Borhidi & Muniz              | Cuba (Guantanamo) K (9774)  |                    | K        | K        | 9996     |          |
| <i>Coccothrinax argentata</i> (Jacq.f.)<br>L.H.Bailey                                 | Bahamas nt (8766), Turks & Caicos ? (8766)<br>Florida (Palm Beach to Marquesas Is) R (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Coccothrinax argentea</i> (Lodd. ex Sch.)<br>Sarg. ex Becc.                        | Dominican Rep. ? (8020), Haiti ? (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Coccothrinax australis</i> L.H.Bailey  | Trinidad/Tobago ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Coccothrinax baracoensis</i> Borhidi &<br>Muniz                                    | Cuba (Guantanamo) R (9774)  |                    | R        | R        | 9244     |          |
| <i>Coccothrinax barbadensis</i> (Lodd. ex<br>Mart.) Becc.                             | Antigua/Barbuda (both islands) ? (8767),<br>Barbados ? (8767), Dominica ? (8767),<br>Guadeloupe (incl. Marie Galante) ? (8767),<br>Martinique ? (8767), Neth. Leeward I (only<br>Saba) ? (8767), Puerto Rico ? (8902), St<br>Lucia ? (8767), Trinidad/Tobago (both<br>islands) ? (8767), South America ? (8902) |                    | ?        | nt       | 8767     | N        |
| <i>Coccothrinax bermudezii</i> Leon   | Cuba (Guantanamo) K (9774)  |                    | K        | K        | 9244     |          |
| <i>Coccothrinax borhidiana</i> Muniz  | Cuba (Matanzas) E (5607)  |                    | E        | E        | 5607     |          |
| <i>Coccothrinax camagueyana</i> Borhidi &<br>Muniz                                    | Cuba (Camaguey) R (9774)  |                    | R        | R        | 9244     |          |
| <i>Coccothrinax clarense</i> Leon ssp.<br>clarensis                                   | Cuba (VC; SS, CA) nt (9774)   |                    | nt       | nt       | 9998     |          |
| <i>Coccothrinax clarense</i> Leon ssp.<br><i>brevifolia</i> (Leon) Borhidi & Muniz    | Cuba (Sancti Spiritus) R (9774)   |                    | R        | R        | 9996     |          |
| <i>Coccothrinax concolor</i> Burret   | Haiti ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Coccothrinax crinita</i> Becc. ssp.<br>crinita                                     | Cuba (Pinar del Rio) E (9774)   |                    | E        | E        | 9774     |          |
| <i>Coccothrinax crinita</i> Becc. ssp.<br><i>brevicrinis</i> Borhidi & Muniz          | Cuba (Cienfuegos; S. Spiritus) R (9774)   |                    | R        | R        | 9774     |          |
| <i>Coccothrinax cupularis</i> (Leon) Borhidi<br>& Muniz                               | Cuba (PR; M; Ci) nt (9774)  |                    | nt       | nt       | 9996     |          |
| <i>Coccothrinax ekmanii</i> Burret  | Dominican Rep. I (8020), Haiti ? (8020)   |                    | ?        | ?        | 9996     | Y        |
| <i>Coccothrinax elegans</i> Muniz & Borhidi   | Cuba (Santiago de Cuba) nt (9774)   |                    | nt       | nt       | 9244     |          |
| <i>Coccothrinax fagildei</i> Borhidi & Muniz  | Cuba (Santiago de Cuba) R (9268)  |                    | R        | R        | 9268     |          |
| <i>Coccothrinax fragrans</i> Burret   | Cuba (Santiago de Cuba) K (9774)  |                    | K        | K        | 9244     |          |
| <i>Coccothrinax garciana</i> Leon   | Cuba (Holguin) nt (9774)  |                    | nt       | nt       | 9244     |          |
| <i>Coccothrinax gracilis</i> Burret   | Haiti (Massif du N. & de la Hotte) ? (10874)  |                    | ?        | ?        | 10874    |          |

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| <u>Plant name</u>   | <u>Distribution (Cons. status)</u>  | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|--------------------|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>   |   |                    |          |          |          |          |
| <i>Coccothrinax guantanamensis</i> (Leon)<br>Borhidi & Muniz  | Cuba (Guantanamo) K (9774)  | K                  | K        |          | 9996     |          |
| <i>Coccothrinax gundlachii</i> Leon   | Cuba (Santiago de Cuba) nt (9774)   | nt                 | nt       | 9244     |          |          |
| <i>Coccothrinax hiemata</i> Leon  | Cuba (Sant. de Cuba; Guantanamo) nt (9774)  | nt                 | nt       | 9244     |          |          |
| <i>Coccothrinax inaguensis</i> R.W.Read   | Bahamas R (8766), Turks & Caicos R (8766)   | R                  | R        | 8020     | Y        |          |
| <i>Coccothrinax jamaicensis</i> R.W.Read  | Jamaica nt (8020)   | nt                 | nt       | 8020     |          |          |
| <i>Coccothrinax leonis</i> Muniz & Borhidi  | Cuba (Guantanamo) K (9774)  | K                  | K        | 9244     |          |          |
| <i>Coccothrinax litoralis</i> Leon  | Cuba (PR; M; VC; Ci) nt (9774)  | nt                 | nt       | 9244     |          |          |
| <i>Coccothrinax macroglossa</i> (Leon) Muniz<br>& Borhidi   | Cuba (Las Tunas; Holguin) nt (9774)   | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax martii</i> (Griseb. &<br>H.Wendl.) Becc.  | Cuba K (9774)   | K                  | K        | 9774     |          |          |
| <i>Coccothrinax microphylla</i> Borhidi &<br>Muniz  | Cuba (Guantanamo) K (9774)  | K                  | K        | 9244     |          |          |
| <i>Coccothrinax miraguama</i> (H.B. & K.)<br>Becc. ssp. <i>miraguama</i>                            | Cuba (Widespread) nt (9774)   | nt                 | nt       | 9998     |          |          |
| <i>Coccothrinax miraguama</i> (H.B. & K.)<br>Becc. ssp. <i>arenicola</i> (Leon) Borhidi<br>& Muniz  | Cuba (Pinar del Rio; I. de Pines) nt (9774)   | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax miraguama</i> (H.B. & K.)<br>Becc. ssp. <i>havanensis</i> (Leon)<br>Borhidi & Muniz | Cuba (La Habana) K (9774)   | K                  | K        | 9996     |          |          |
| <i>Coccothrinax miraguama</i> (H.B. & K.)<br>Becc. ssp. <i>roseocarpa</i> (Leon)<br>Borhidi & Muniz | Cuba (La Habana; Matanzas) nt (9774)  | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax moagensis</i> (Borhidi &<br>Muniz) Muniz  | Cuba (Holguin; Guantanamo) nt (9774)  | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax montana</i> Burret  | Dominican Rep. (Cordillera Central, 1 site) I<br>(10874), Haiti (Massif de la Selle, 1 site) I<br>(10874) | I                  | I        | I        | 10874    | Y        |
| <i>Coccothrinax munizii</i> Borhidi   | Cuba (Guantanamo) nt (9774)   | nt                 | nt       | 8793     |          |          |
| <i>Coccothrinax muricata</i> Leon   | Cuba (Cienfuegos) nt (9774)   | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax nipensis</i> Borhidi & Muniz  | Cuba (Holguin) R (9774)   | R                  | R        | 9244     |          |          |
| <i>Coccothrinax orientalis</i> (Leon) Borhidi<br>& Muniz  | Cuba (Gu; Ho; SC) nt (9774)   | nt                 | nt       | 9996     |          |          |
| <i>Coccothrinax pauciramosa</i> Burret  | Cuba (Santiago de Cuba; Oriente) E (8743)   | E                  | E        | 9244     |          |          |
| <i>Coccothrinax proctorii</i> Read  | Cayman Is. ? (9214)   | ?                  | ?        | 9214     |          |          |
| <i>Coccothrinax pseudorigida</i> Leon   | Cuba (Camaguey) R (5607)  | R                  | R        | 5607     |          |          |
| <i>Coccothrinax readii</i> Quero  | Yucatan V (10263), Quintana Roo V (10263)   | V                  | V        | 10263    | Y        |          |
| <i>Coccothrinax rigida</i> (Griseb. &<br>H.Wendl.) Becc.  | Cuba (Holguin) K (9774)   | K                  | K        | 9244     |          |          |
| <i>Coccothrinax salvatoris</i> Leon ssp.<br><i>salvatoris</i>                                       | Cuba (Camaguey; Tunas; Holguin) nt (9774)   | nt                 | nt       | 9998     |          |          |
| <i>Coccothrinax salvatoris</i> Leon ssp.<br><i>loricata</i> (Leon) Borhidi & Muniz                  | Cuba (Camaguey; Las Tunas) K (9774)   | K                  | K        | 9244     |          |          |
| <i>Coccothrinax savannarum</i> (Leon) Borhidi<br>& Muniz  | Cuba (Santiago de Cuba) I (5607)  | I                  | I        | 5607     |          |          |
| <i>Coccothrinax saxicola</i> Leon   | Cuba (Granma) nt (9774)   | nt                 | nt       | 9244     |          |          |
| <i>Coccothrinax spissa</i> L.H.Bailey   | Dominican Rep. nt (8020), Haiti ? (8020)  | nt                 | nt       | 8020     | Y        |          |
| <i>Coccothrinax trinitensis</i> Borhidi &<br>Muniz  | Cuba (Sancti Spiritus) nt (9774)  | nt                 | nt       | 9268     |          |          |
| <i>Coccothrinax victorini</i> Leon  | Cuba (Granma) E (5607)  | E                  | E        | 9244     |          |          |
| <i>Coccothrinax yunquensis</i> Borhidi &<br>Muniz   | Cuba (Guantanamo) R (9774)  | R                  | R        | 9244     |          |          |
| <i>Coccothrinax yuraguana</i> (A.Rich.) Leon  | Cuba (Pinar del Rio) nt (9774)  | nt                 | nt       | 9996     |          |          |
| <i>Colpothrinax cookii</i> R.W.Read   | Guatemala R (8743)  | R                  | R        | 8020     |          |          |
| <i>Colpothrinax wrightii</i> Griseb. &<br>H.Wendl.  | Cuba (Pinar del Rio; I. de Pines) V (9774)  | V                  | V        | 9244     |          |          |
| <i>Copernicia alba</i> Morong ex Morong &<br>Britton  | Argentina nt (8020), Bolivia nt (8020),<br>Brazil nt (8020), Paraguay nt (8020)                           | nt                 | nt       | 8020     | Y        |          |
| <i>Copernicia baileyana</i> Leon  | Cuba (SS; CA; C; T; G; Ho) nt (9774)  | nt                 | nt       | 9244     |          |          |
| <i>Copernicia berteroana</i> Becc.  | Dominican Rep. ? (8020), Haiti ? (8020)   | I                  | I        | 8020     | Y        |          |
| <i>Copernicia brittonorum</i> Leon  | Cuba (PR; M; Ci) R (5607)   | R                  | R        | 9244     |          |          |
| <i>Copernicia cowellii</i> Britton & Wilson   | Cuba (Camaguey) nt (9774)   | nt                 | nt       | 9244     |          |          |
| <i>Copernicia curbeloi</i> Leon   | Cuba (Camaguey; Tunas; Holguin) R (5607)  | R                  | R        | 9244     |          |          |
| <i>Copernicia curtissii</i> Becc.   | Cuba (PR; M; IP) nt (9774)  | nt                 | nt       | 9774     |          |          |
| <i>Copernicia ekmanii</i> Burret  | Haiti (north-west) E (8743)   | E                  | E        | 8020     |          |          |
| <i>Copernicia fallaensis</i> Leon   | Cuba (VC; SS; CA; C) R (5607)   | R                  | R        | 9774     |          |          |
| <i>Copernicia gigas</i> E.L.Ekman ex Burret   | Cuba (SS; CA; C; T; G; Ho) R (5607)   | R                  | R        | 9244     |          |          |
| <i>Copernicia glabrescens</i> H.Wendl. ex<br>Becc.  | Cuba (Pinar del Rio; La Habana) nt (9774)   | nt                 | nt       | 9244     |          |          |

See end for explanation of Fields labelled 1 to 4

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| <u>Plant name</u>  | <u>Distribution</u>                | <u>(Cons. status)</u> | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|------------------------------------|-----------------------|----------------------|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>                                      |                                    |                       |                      |          |          |          |          |
| <i>Copernicia hospita</i> Mart.                            | Cuba (widespread)                  | nt                    | (9774)               | nt       | nt       | 9244     |          |
| <i>Copernicia humicola</i> Leon                            | Cuba (Gramma)                      | E                     | (5607)               | E        | E        | 9244     |          |
| <i>Copernicia longiglossa</i> Leon                         | Cuba (Las Tunas; Gramma)           | I                     | (5607)               | I        | I        | 9244     |          |
| <i>Copernicia macroglossa</i> H.Wendl. ex Becc.            | Cuba (widespread)                  | nt                    | (9774)               | nt       | nt       | 9244     |          |
| <i>Copernicia molineti</i> Leon                            | Cuba (Sancti Spiritus; C. Avila)   | K                     | (5607)               | K        | K        | 9244     |          |
| <i>Copernicia oxycalyx</i> Burret                          | Cuba (C; T; G; Ho)                 | I                     | (5607)               | I        | I        | 9244     |          |
| <i>Copernicia prunifera</i> (Miller) H.E.Moore             | Brazil nt                          | nt                    | (8020)               | nt       | nt       | 8020     |          |
| <i>Copernicia rigida</i> Britton & Wilson                  | Cuba (VC; SS; CA; C; T; Ho; G)     | nt                    | nt                   | nt       | nt       | 9244     |          |
| <i>Copernicia roigii</i> Leon                              | Cuba (M; T; SC)                    | R                     | (5607)               | R        | R        | 9244     |          |
| <i>Copernicia tectorum</i> (H.B. & K.) Mart.               | Colombia nt                        | nt                    | (8020), Venezuela nt | nt       | nt       | 8020     | Y        |
| <i>Copernicia yarey</i> Burret                             | Cuba (C; T; G; Ho; SC)             | nt                    | (9774)               | nt       | nt       | 9244     |          |
| <i>Cryosophila albida</i> H.H.Bartlett                     | Costa Rica ?                       | V                     | (8020), Panama ?     | V        | V        | 8020     | Y        |
| <i>Cryosophila argentea</i> H.H.Bartlett                   | Belize ?                           | V                     | (8020), Guatemala ?  | V        | V        | 8020     | Y        |
| <i>Cryosophila cookii</i> H.H.Bartlett                     | Costa Rica (Plains of Santo Clara) | E                     | (8743)               | E        | E        | 8020     |          |
| <i>Cryosophila guagara</i> P.H.Allen                       | Costa Rica V                       | V                     | (8020)               | V        | V        | 8020     |          |
| <i>Cryosophila kaltbreyeri</i> (Dammer ex Burret) Dahlgren | Colombia (northwest)               | E                     | (8743)               | E        | E        | 8020     |          |
| <i>Cryosophila nana</i> (H.B. & K.) Blume ex Salomon       | Mexico V                           | V                     | (8020)               | V        | V        | 8020     |          |
| <i>Cryosophila warscewiczii</i> (H.Wendl.) H.H.Bartlett    | Costa Rica V                       | ?                     | (8020), Nicaragua ?  | ?        | ?        | 8020     | Y        |
| <i>Cryosophila williamsii</i> P.H.Allen                    | Panama ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus anomalus</i> H.H.Bartlett                     | Honduras I                         | I                     | (8020)               | I        | I        | 8020     |          |
| <i>Desmoncus brevisectus</i> Burret                        | Guatemala ?                        | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus caespitosus</i> Barb. Rodr.                   | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus campylacanthus</i> Burret                     | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus chinantlensis</i> Liebm. ex Mart.             | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus costaricensis</i> (O.Kuntze) Burret           | Costa Rica ?                       | ?                     | (8785)               | ?        | ?        | 8785     |          |
| <i>Desmoncus duidensis</i> Steyermark                      | Venezuela ?                        | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus ferox</i> H.H.Bartlett                        | Belize ?                           | ?                     | (8020), Guatemala ?  | ?        | ?        | 8020     | Y        |
| <i>Desmoncus inermis</i> Barb. Rodr.                       | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus isthmius</i> L.H.Bailey                       | Panama ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncuskuhlmannii</i> Burret                          | Bolivia ?                          | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus latisectus</i> Burret                         | Bolivia ?                          | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus leiiorachis</i> Burret                        | Belize ?                           | ?                     | (8020), Guatemala ?  | ?        | ?        | 8020     | Y        |
| <i>Desmoncus leptochaete</i> Burret                        | Costa Rica ?                       | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus leptospathid</i> Mart.                        | Brazil ?                           | ?                     | (8020), Peru ?       | ?        | ?        | 8020     | Y        |
| <i>Desmoncus longifolius</i> Mart.                         | Peru ?                             | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus lundellii</i> H.H.Bartlett                    | Guatemala ?                        | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus macroacanthos</i> Mart.                       | Brazil ?                           | ?                     | (8020), Guyana ?     | ?        | ?        | 8020     | Y        |
|  | (8020)                             | ?                     | (8020), Suriname ?   | ?        | ?        | 8020     |          |
| <i>Desmoncus macrodon</i> Barb. Rodr.                      | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus mirandanus</i> L.H.Bailey                     | Venezuela ?                        | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus mitis</i> Mart.                               | Brazil ?                           | ?                     | (8020), Ecuador ?    | ?        | ?        | 8020     | Y        |
| <i>Desmoncus nemorosus</i> Barb. Rodr.                     | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus oligacanthus</i> Barb. Rodr.                  | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus orthacanthos</i> Mart.                        | Trinidad/Tobago (both islands)     | ?                     | (8020)               | ?        | nt       | 8020     |          |
|  | Bolivia nt                         | nt                    | (8020), Brazil ?     | nt       | nt       | 8020     |          |
| <i>Desmoncus philippianus</i> Barb. Rodr.                  | Colombia ?                         | ?                     | (8020), Ecuador ?    | ?        | ?        | 8020     |          |
| <i>Desmoncus phoenicocarpus</i> Barb. Rodr.                | Guyana ?                           | ?                     | (9000), Guyana ?     | ?        | ?        | 8020     |          |
| <i>Desmoncus polyacanthos</i> Mart.                        | (8020), Suriname ?                 | ?                     | (8020), Venezuela ?  | ?        | ?        | 8020     |          |
|  | (8020)                             | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus prunifer</i> Poeppig ex Mart.                 | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus pumilus</i> Trail                             | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus pycnacanthos</i> Mart.                        | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |
| <i>Desmoncus quasillarius</i> H.H.Bartlett                 | Belize ?                           | ?                     | (8020), Guatemala ?  | ?        | ?        | 8020     |          |
| <i>Desmoncus riparius</i> Spruce                           | Brazil ?                           | ?                     | (8020), Suriname ?   | ?        | ?        | 8020     | Y        |
| <i>Desmoncus schippii</i> Burret                           | Belize ?                           | ?                     | (8020), Guatemala ?  | ?        | ?        | 8020     | Y        |
| <i>Desmoncus setosus</i> Mart.                             | Brazil ?                           | ?                     | (8020)               | ?        | ?        | 8020     |          |

## PALMS OF THE NEW WORLD

| <u>Plant name</u>                                      | <u>Distribution (Cons. status)</u>   | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|--|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)   |  |                    |          |          |          |          |
| <i>Desmoncus tenerimus</i> (Drude) Mart. ex Burret     | Brazil ? (8020), Colombia ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Desmoncus uaxactunensis</i> H.H.Bartlett            | Guatemala ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Desmoncus vacivus</i> L.H.Bailey                    | Colombia ? (8020), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Dictyocaryum fuscum</i> (Karsten) H.Wendl.          | Venezuela nt (8020)  |                    | nt       | nt       | 8020     |          |
| <i>Dictyocaryum globiferum</i> Dugand                  | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Dictyocaryum lamarckianum</i> (Mart.) H.Wendl.      | Bolivia V (8020), Ecuador ? (9000), Peru (Pasco and San Martin) V (8801)   |                    | ?        | ?        | 8020     | Y        |
| <i>Dictyocaryum platysepalum</i> Burret                | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Dictyocaryum schultzei</i> Burret                   | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Dictyocaryum superbum</i> Burret                    | Ecuador ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Elaeis oleifera</i> (H.B. & K.) Cortes              | Costa Rica ? (8020), Panama ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Suriname ? (8020)   |                    | V        | V        | 8020     | Y        |
| <i>Euterpe andicola</i> Brongn. ex Mart.               | Bolivia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe andina</i> Burret                           | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe aphanolepis</i> Burret                      | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe aurantiaca</i> H.E.Moore                    | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| <i>Euterpe brachyclada</i> Burret                      | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe brevicaulis</i> Burret                      | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe broadwayae</i> Becc. ex Broadway            | Trinidad/Tobago (only Tobago) ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe catinga</i> A.R.Wallace                     | Brazil ? (8020), Colombia ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Euterpe chaunostachys</i> Burret                    | Ecuador ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe concinna</i> Burret                         | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe confertiflora</i> L.H.Bailey                | Trinidad/Tobago (only Trinidad) ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe cuatrecasasana</i> Dugand                   | Colombia (Pacific coast) V (8743), ? Ecuador ? (8743)  |                    | V        | V        | 8020     | Y        |
| <i>Euterpe dasystachys</i> Burret                      | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe dominicana</i> L.H.Bailey                   | Dominica nt (8767), Grenada ? (8767), St Vincent ? (8767)  |                    | nt       | nt       | 8020     | Y        |
| <i>Euterpe edulis</i> Mart.                            | Argentina (Iguazu NP) ? (8901), Brazil (Atlantic forest) ? (8743)  |                    | V        | V        | 8020     | Y        |
| <i>Euterpe erubescens</i> H.E.Moore                    | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| <i>Euterpe frigida</i> (H.B. & K.) Burret              | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe haenkeana</i> Brongn. ex Mart.              | Bolivia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe jatapuensis</i> Barb. Rodr.                 | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe kalbreyeri</i> Burret                       | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe karsteniana</i> F.Engel                     | Colombia ? (8020), Venezuela ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Euterpe latisepta</i> Burret                        | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe longevaginata</i> Mart.                     | Bolivia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe longibracteata</i> Barb. Rodr.              | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe macrospadix</i> Oersted                     | Belize ? (9998), Costa Rica ? (9998), Guatemala ? (8020), Honduras ? (9998), Nicaragua ? (8020), Panama ? (8020)   |                    | V        | V        | 8020     | Y        |
| <i>Euterpe microcarpa</i> Burret                       | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe microspadix</i> Burret                      | Ecuador ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe montis-duida</i> Burret ex Gleason          | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| <i>Euterpe oleracea</i> Mart.                          | Trinidad/Tobago (only Trinidad) ? (8020), Brazil V (8020), French Guiana nt (8020), Guyana V (8020), Suriname nt (8020), Venezuela V (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Euterpe oocarpa</i> Burret                          | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe parviflora</i> Burret                       | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe pertenuis</i> L.H.Bailey                    | Trinidad/Tobago ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe petiolata</i> Burret                        | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe praga</i> (H.B. & K.) Sprengel              | Venezuela ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe precatoria</i> Mart.                        | Trinidad/Tobago (only Trinidad) ? (8020), Bolivia nt (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020) |                    | nt       | nt       | 8020     | Y        |
| <i>Euterpe ptaliana</i> Steyermark                     | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| <i>Euterpe purpurea</i> F.Engel                        | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe rhodoxyla</i> Dugand                        | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe roraimae</i> Dammer                         | Brazil ? (8020), Guyana ? (8020), Venezuela ? (8020)   | I                  | I        | I        | 8020     | Y        |
| <i>Euterpe simiarum</i> (Standl. & Williams) H.E.Moore | Nicaragua ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe simplicifrons</i> Burret                    | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Euterpe tobagonis</i> L.H.Bailey                    | Trinidad/Tobago (only Tobago) ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Euterpe williamsii</i> Glassman                     | Nicaragua ? (8020)   |                    | ?        | ?        | 8020     |          |

See end for explanation of Fields labelled 1 to 4

PALMS OF THE NEW WORLD

| <u>Plant name</u>                                  | <u>Distribution (Cons. status)</u>  | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)                                     |   |                    |          |          |          |          |
| <i>Euterpe zephyria</i> Dugand                     | Colombia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Gastrococos crispa</i> (H.B. & K.) H.E.Moore    | Cuba (widespread) nt (9774)   |                    | nt       | nt       | 9244     |          |
| <i>Gaussia attenuata</i> (O.F.Cook) Becc.          | Puerto Rico I (8020)  |                    | I        | I        | 9148     |          |
| <i>Gaussia gomez-pompae</i> (Quero) Quero          | Mexico (Oaxaca to Tabasco) V (9148)   |                    | V        | V        | 9996     |          |
| <i>Gaussia maya</i> (O.F.Cook) Quero & Read        | Belize ? (8020), Guatemala ? (8020), Mexico (Oaxaca, Veracruz & Q. Roo) V (9997)  |                    | V        | V        | 9996     | Y        |
| <i>Gaussia princeps</i> H.Wendl.                   | Cuba (Pinar del Rio) nt (9148)  |                    | nt       | nt       | 9148     |          |
| <i>Geonoma acaulis</i> Mart.                       | Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma appuniana</i> Spruce                    | Brazil ? (8020), Guyana R (8020), Venezuela R (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma arundinacea</i> Mart.                   | Brazil ? (8020), Ecuador ? (9000)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma aspidiifolia</i> Spruce                 | Brazil ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma baculifera</i> (Poit.) Kunth            | Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname nt (8020), Venezuela ? (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma bartlettii</i> Burret                   | ? Ecuador ? (8020), Guyana ? (8020), ? Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma blanchetiana</i> H.Wendl. ex Drude      | Brazil ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma brevispatha</i> Barb. Rodr.             | Brazil ? (8020), Paraguay ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma brongniartii</i> Mart.                  | Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma calyptrogynoidea</i> Burret             | Colombia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma camana</i> Trail                        | Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma chlamydostachys</i> Galeano             | Colombia (S.E. Antioquia, 300-1000 m) ? (10740)   |                    | ?        | ?        | 10740    |          |
| <i>Geonoma chococola</i> J.G.W.Boer                | Colombia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma congesta</i> H.Wendl. ex Spruce         | Costa Rica V (8020), Nicaragua ? (8020), Panama V (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma cuneata</i> H.Wendl. ex Spruce          | Costa Rica V (8020), Nicaragua ? (8020), Panama V (8020), Colombia ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma densa</i> Linden & H.Wendl. ex H.Wendl. | Colombia ? (8020), ? Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma densiflora</i> Spruce                   | Brazil ? (8020), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma deversa</i> (Poit.) Kunth               | Belize ? (8020), Costa Rica V (8020), Guatemala ? (8020), Honduras ? (8020), Nicaragua ? (8020), Panama ? (8020), Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020) |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma dicranospadix</i> Burret                | Colombia ? (8020), ? Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma divisa</i> H.E.Moore                    | Colombia (Choco) ? (9149)   |                    | ?        | ?        | 9149     |          |
| <i>Geonoma dussiana</i> Becc.                      | Dominica ? (8767), Guadeloupe ? (8767), Martinique ? (8767)   |                    | nt       | nt       | 9996     | Y        |
| <i>Geonoma elegans</i> Mart.                       | Brazil (Atlantic forest) ? (8743)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma epetiolata</i> H.E.Moore                | Panama ? (9149)   |                    | ?        | ?        | 9149     |          |
| <i>Geonoma eupatha</i> Burret                      | Bolivia ? (8020), Colombia ? (8020), Ecuador ? (9000), Suriname ? (8020), Venezuela ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma ferruginea</i> H.Wendl. ex Spruce       | Costa Rica E (8020), ? Guatemala (1 doubtful coll.) K (8020), Honduras I (9998), Nicaragua ? (9998), Panama ? (8020)  |                    | V        | V        | 8020     | Y        |
| <i>Geonoma fiscellaria</i> Mart. ex Drude          | Brazil ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma fusca</i> J.G.W.Boer                    | Guyana ? (8794)   |                    | ?        | ?        | 8794     |          |
| <i>Geonoma gamiova</i> Barb. Rodr.                 | Brazil (Atlantic forest) ? (8743)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma gastoniana</i> Glaziou ex Drude         | Brazil ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma gracilis</i> H.Wendl. ex Spruce         | Costa Rica ? (8020), Panama ? (8020)  |                    | V        | ?        | 8020     | Y        |
| <i>Geonoma heinrichsiae</i> Burret                 | Ecuador ? (9000)  |                    | ?        |          |          |          |
| <i>Geonoma helminthoclada</i> Burret               | Panama ? (8020), Colombia ? (8020), Ecuador ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma hoffmanniana</i> H.Wendl. ex Spruce     | Colombia ? (8020), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma interrupta</i> (Ruiz & Pavon) Mart.     | Costa Rica (Heredia Province) E (8743)  |                    | E        | E        | 8020     |          |
|  | Costa Rica R (8020), Guatemala ? (8020), Honduras nt (8020), Mexico ? (8020), Colombia nt (8020), Ecuador ? (9000), Peru ? (8020)   |                    | nt       | nt       | 8020     | Y        |

| <u>Plant name</u>                               | <u>Distribution (Cons. status)</u>   | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|--|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)                                  |  |                    |          |          |          |          |
| <i>Geonoma juruana</i> Dammer                   | Brazil ? (8020), Colombia ? (8020), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma jussieuana</i> Mart.                 | Bolivia ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (9997)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma laxiflora</i> Mart.                  | Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma lehmannii</i> Dammer ex Burret       | Panama ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma leptospadix</i> Trail                | Bolivia ? (8743), Brazil nt (8020), Colombia ? (8020), French Guiana (2 locs) R (8020), Guyana ? (8020), Peru ? (8020), Suriname nt (8020), Venezuela ? (8020) |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma lindeniana</i> H.Wendl.              | Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma longevaginata</i> H.Wendl. ex Spruce | Costa Rica V (8020)  |                    | V        | V        | 8020     |          |
| <i>Geonoma macrostachys</i> Mart.               | Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma marggraffia</i> F.Engel              | Colombia ? (8020), Ecuador ? (8020), Peru ? (8020), Venezuela ? (8020)   |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma martinicensis</i> Mart.              | Dominica ? (8767), Guadeloupe ? (8767), Martinique ? (8767), St Vincent ? (8767)   |                    | nt       | nt       | 9996     | Y        |
| <i>Geonoma maxima</i> (Poit.) Kunth             | Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020), French Guiana nt (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela nt (8020)          |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma megalospatha</i> Burret              | Ecuador ? (9000), Peru ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma membranacea</i> H.Wendl. ex Spruce   | Guatemala V (8020)   |                    | V        | V        | 8020     |          |
| <i>Geonoma multiflora</i> Mart.                 | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma oldemanii</i> de Granville           | French Guiana (3 localities) R (8777)  |                    | R        | R        | 8793     |          |
| <i>Geonoma oligoclada</i> Burret                | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma oligoclonia</i> Trail                | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma orbigniana</i> Mart.                 | Bolivia ? (8020)   |                    | ?        | ?        | 8020     |          |
| <i>Geonoma oxycarpa</i> Mart.                   | Hispaniola (incl. Haiti) K (10874)   |                    | K        | K        | 10874    |          |
| <i>Geonoma pachydicrana</i> Burret              | Bolivia ? (8020), Colombia ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma paradoxa</i> Burret                  | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma paraguensis</i> Karsten              | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| <i>Geonoma pauciflora</i> Mart.                 | Brazil R (8020)  |                    | R        | R        | 8020     |          |
| <i>Geonoma pinnatifrons</i> Willd.              | Dominica ? (8020), Guadeloupe ? (8020), Martinique ? (8020), St Vincent ? (8020), Trinidad/Tobago (both islands) ? (8020), Venezuela nt (8020)                 |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma piscicauda</i> Dammer                | Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Peru ? (8020), Suriname nt (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma poeppigiana</i> Mart.                | Peru ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma pohliana</i> Mart.                   | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma poiteauana</i> Kunth                 | Brazil ? (8020), French Guiana I (8020), Guyana ? (8020), Suriname ? (8020), Venezuela nt (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma procumbens</i> H.Wendl. ex Spruce    | Costa Rica ? (8020), Nicaragua ? (8020), Panama ? (8020), Colombia ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma pulcherrima</i> Burret               | Colombia ? (8020), Ecuador ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma pulchra</i> F.Engel                  | Colombia ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma pycnostachys</i> Mart.               | Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020), Venezuela ? (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma rodeiensis</i> Barb. Rodr.           | Brazil (Atlantic forest) ? (8743)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma rubescens</i> H.Wendl. ex Drude      | Brazil (Atlantic forest) ? (8743)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma schottiana</i> Mart.                 | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |
| <i>Geonoma seleri</i> Burret                    | ? Costa Rica ? (8785), Guatemala ? (8020), Nicaragua ? (8020)  |                    | V        | V        | 8020     | Y        |
| <i>Geonoma simplicifrons</i> Willd.             | Venezuela nt (8020)  |                    | nt       | nt       | 8020     |          |
| <i>Geonoma sodiroi</i> Dammer ex Burret         | Colombia ? (8020), Ecuador ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| <i>Geonoma spinescens</i> H.Wendl. ex Burret    | Colombia ? (8020), Venezuela nt (8020)   |                    | nt       | nt       | 8020     | Y        |
| <i>Geonoma spixiana</i> Mart.                   | Brazil ? (8020)  |                    | ?        | ?        | 8020     |          |

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| <u>Plant name</u>  | <u>Distribution (Cons. status) (Data-source)</u>  | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>  |   |          |          |          |          |
| <i>Geonoma stricta</i> (Poit.) Kunth   | Brazil ? (8020), French Guiana nt (8020), Guyana ? (8020), Suriname ? (8020)  | nt       | nt       | 8020     | Y        |
| <i>Geonoma tamandua</i> Trail  | Brazil ? (8020), ? French Guiana ("not collected") ? (8777)   | ?        | ?        | 8020     | Y        |
| <i>Geonoma tenuissima</i> H.E.Moore  | Ecuador (Los Rios Province) ? (10739)   | ?        | ?        | 10739    |          |
| <i>Geonoma triandra</i> (Burret) J.G.W.Boer  | Panama ? (8020)   | ?        | ?        | 8020     | Y        |
| <i>Geonoma triglochin</i> Burret   | Colombia V (8020)   | V        |          |          |          |
|  | Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), ? French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8020) | ?        | ?        | 8020     | Y        |
| <i>Geonoma trigona</i> (Ruiz Lopez & Pavon A.Gentry                                      | Peru (Pasco, 2800-3000 m) ? (8801)  | ?        | ?        | 8801     |          |
| <i>Geonoma trinervis</i> Drude & H.Wendl. ex Drude                                       | Brazil (Atlantic forest) ? (8743)   | ?        | ?        | 8020     |          |
| <i>Geonoma umbraculiformis</i> J.G.W.Boer  | French Guiana (3 locs, montane forest) R (8777), Suriname ? (8020)  | ?        | ?        | 8777     | Y        |
| <i>Geonoma undata</i> Klotzsch   | Dominica ? (8020), Guadeloupe ? (8020), Martinique ? (8020)   | ?        | nt       | 8020     | Y        |
| <i>Geonoma wittigiana</i> Glaziou ex Drude   | Colombia nt (8020), Ecuador ? (9000), Venezuela ? (8020)  | nt       |          |          |          |
| <i>Hyospathe elegans</i> Mart.   | Brazil ? (8020)   | ?        | ?        | 8020     |          |
|  | Costa Rica ? (9997), Panama ? (9997)  | ?        | nt       | 8020     | Y        |
| <i>Hyospathe macrorhachis</i> Burret   | Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Guyana ? (8020), Peru ? (9997), Suriname ? (8020), Venezuela ? (9997)  | nt       |          |          |          |
| <i>Hyospathe pedicellata</i> Skov & Balslev, ined.                                       | Ecuador ? (8020)  | ?        | ?        | 8020     |          |
| <i>Iriartea corneto</i> (Karsten) H.Wendl.   | Peru (Huanoco, one locality) I (10262)  | I        | I        | 10262    |          |
| <i>Iriartea deltoidea</i> Ruiz & Pavon   | Colombia ? (8020), ? Ecuador ? (8020)   | ?        | ?        | 8020     | Y        |
| <i>Iriartea gigantea</i> H.Wendl. ex Burret  | Ecuador ? (9000), Peru V (8020)   | ?        | ?        | 8020     |          |
| <i>Iriartea megalocarpa</i> Burret   | Costa Rica V (8020)   | V        | V        | 8020     |          |
| <i>Iriartea phaeocarpa</i> Mart.   | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Iriartea ventricosa</i> Mart.   | Bolivia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Iriartea weberbaueri</i> Burret   | Brazil nt (8020), Colombia ? (8020), Peru ? (8020)  | nt       | nt       | 8020     |          |
| <i>Iriartella ferreyrae</i> H.E.Moore  | Peru ? (8020)   | ?        | ?        | 8020     |          |
| <i>Iriartella setigera</i> (Mart.) H.Wendl.  | Peru (Coronel Portillo & Loreto) R (8743)   | R        | R        | 8020     |          |
| <i>Iriartella stenocarpa</i> Burret  | Brazil nt (8020), Colombia ? (8020), Guyana ? (8020), Peru ? (8020), Venezuela ? (8020)   | nt       | nt       | 8020     | Y        |
| <i>Itaya amicorum</i> H.E.Moore  | Brazil ? (10262), Peru ? (10262)  | ?        | ?        | 10262    | Y        |
| <i>Jessenia bataua</i> (Mart.) Burret ssp. <i>bataua</i>                                 | Brazil (Rio Javari, one coll.) E (8743), Peru (Loreto Department) E (8743)  | E        | E        | 8793     | Y        |
|  | Bolivia K (8743), Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), Peru ? (8020)  | nt       | nt       | 8020     | Y        |
| <i>Jessenia bataua</i> (Mart.) Burret ssp. <i>oligocarpa</i> (Griseb. & H.Wendl.) Balick | Trinidad/Tobago (Only Trinidad) I (10256)   | I        | ?        | 9997     | Y        |
|  | French Guiana nt (8020), Guyana I (10256), Suriname I (10256), Venezuela (northern and north-east) I (10256)  | ?        |          |          |          |
| <i>Juania australis</i> (Mart.) Drude  | Juan Fernandez R  | R        | R        |          |          |
| <i>Jubaea chilensis</i> (Molina) Baillon   | Chile V (8020)  | V        | V        | 8020     |          |
| <i>Leopoldinia insignis</i> Mart.  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Leopoldinia major</i> A.R.Wallace   | Brazil ? (8020), Colombia ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Leopoldinia piassaba</i> A.R.Wallace  | Brazil ? (8020), Venezuela nt (8020)  | nt       | nt       | 8020     | Y        |
| <i>Leopoldinia pulchra</i> Mart.   | Brazil ? (8020), Colombia ? (8020), Venezuela nt (8020)   | nt       | nt       | 8020     | Y        |
| <i>Lepidocaryum allenii</i> Dugand   | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Lepidocaryum casiquiarensis</i> (Spruce) Drude  | Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Lepidocaryum gracile</i> Mart.  | Brazil ? (8020), Colombia ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Lepidocaryum guainense</i> (Spruce) Spruce ex Drude                                   | Brazil ? (8020), Colombia ? (8020), Venezuela ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Lepidocaryum guianense</i> Becc.  | Guyana ? (8020)   | ?        | ?        | 8020     |          |
| <i>Lepidocaryum macrocarpum</i> (Drude) Becc.  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Lepidocaryum tenue</i> Mart.  | Brazil ? (8020), ? Colombia ? (8020), Peru ? (8020)   | ?        | ?        | 8020     | Y        |

| <u>Plant name</u>   | <u>Distribution (Cons. status) (Data-source)</u>  | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|----------|----------|----------|----------|
| PALMAE (Cont.)  |   |          |          |          |          |
| <i>Lepidocaryum tessmannii</i> Burret                                   | Colombia ? (8020), Peru ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Lytocaryum hoehnei</i> (Burret) Toledo                               | Brazil (Atlantic forest) ? (8743)   | ?        | ?        | 9996     |          |
| <i>Lytocaryum insigne</i> (Hort. ex Drude) Tol.                         | Espirito Santo E (8743), Rio de Janeiro E (8743)  | E        | E        | 9996     | Y        |
| <i>Lytocaryum weddelianum</i> (H.Wendl.) Tol.                           | Rio de Janeiro E (8743)   | E        | E        | 9996     |          |
| <i>Manicaria atricha</i> Burret   | Brazil ? (8020), Colombia ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Manicaria martiana</i> Burret  | Brazil ? (8020), Colombia ? (8020)  | ?        | ?        | 8020     | Y        |
| <i>Manicaria pluknetii</i> Griseb. & H.Wendl. ex Griseb.                | Trinidad/Tobago (only Trinidad) ? (8020)  | ?        | ?        | 8020     |          |
| <i>Manicaria saccifera</i> Gaertn.                                      | Belize ? (9998), Costa Rica ? (9998), Guatemala ? (9998), Panama ? (9998), Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana V (8020), Guyana ? (8020), Suriname ? (8020), Venezuela ? (8020)   | nt       | nt       | 8020     | Y        |
| <i>Mauritia carana</i> A.R.Wallace                                      | Brazil ? (8020), Colombia ? (8020), Venezuela R (8020)  | I        | I        | 8020     | Y        |
| <i>Mauritia flexuosa</i> L.f.   | Trinidad/Tobago (only Trinidad) ? (8020), Bolivia ? (8020), Brazil nt (8020), Colombia ? (8020), Ecuador ? (9000), French Guiana ? (8020), Guyana ? (8020), Peru nt (8020), Suriname ? (8020), Venezuela ? (8020) | nt       | nt       | 8020     | Y        |
| <i>Mauritiella aculeata</i> (H.B. & K.) Burret                          | Brazil nt (8020), Colombia ? (8020), Venezuela ? (8020)   | nt       | nt       | 8020     | Y        |
| <i>Mauritiella armata</i> (Mart.) Burret                                | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella campylostachys</i> Burret                                | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella cataractorum</i> Dugand                                  | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella duckei</i> Burret  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella huebneri</i> (Burret) Burret                             | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella intermedia</i> (Burret) Burret                           | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella macroclada</i> (Burret) Burret                           | Colombia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella macrospadix</i> Burret                                   | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella martiana</i> (Spruce) Burret                             | Brazil ? (8020), Guyana ? (8020), Suriname ? (8020)   | ?        | ?        | 9996     | Y        |
| <i>Mauritiella nannostachus</i> Burret                                  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella pacifica</i> Dugand                                      | Colombia (Pacific coast) V (8743), Ecuador ? (9000)   | ?        | ?        | 8020     | Y        |
| <i>Mauritiella peruviana</i> (Becc.) Burret                             | Peru ? (8020)   | ?        | ?        | 8020     |          |
| <i>Mauritiella pumila</i> (A.R.Wallace) Burret                          | Brazil ? (8020), ? Venezuela ? (8020)   | ?        | ?        | 8020     | Y        |
| <i>Mauritiella subinermis</i> (Spruce) Burret                           | Venezuela nt (8020)   | nt       | nt       | 8020     |          |
| <i>Maximiliana maripa</i> (Correa) Drude                                | Trinidad/Tobago ? (9997)  | ?        | nt       | 8774     | ?        |
| <i>Neonicholsonia watsonii</i> Dammer                                   | Brazil ? (8774), Colombia ? (8774), Ecuador ? (9000), French Guiana ? (8774), Peru ? (8774), Suriname ? (8774), Venezuela ? (8774)  | nt       | nt       |          |          |
| <i>Oenocarpus bacaba</i> Mart.  | Costa Rica (3 provinces) E (8743), Panama (Chiriqui Province) E (8743)  | E        | E        | 8020     | Y        |
| <i>Oenocarpus circumtextus</i> Mart.                                    | Brazil ? (8020), Colombia ? (8020), French Guiana ? (8020), Guyana ? (8020), Peru ? (8020), Suriname ? (8020), Venezuela ? (8798)   | nt       | nt       | 8020     | Y        |
| <i>Oenocarpus discolor</i> Barb. Rodr.                                  | Brazil (Rio Japura) K (8743), Colombia E (8020)   | K        | K        | 8020     | Y        |
| <i>Oenocarpus distichus</i> Mart.                                       | Brazil I (8020)   | I        | I        | 8020     |          |
| <i>Oenocarpus macrocalyx</i> Burret                                     | Brazil (Maranho & Para) V (8795)  | V        | V        | 8020     |          |
| <i>Oenocarpus mapora</i> Karsten ssp. <i>mapora</i>                     | Brazil (Humayta, Amazonas) V (8795)   | V        | V        | 8020     |          |
| <i>Oenocarpus mapora</i> Karsten ssp. <i>dryanderae</i> (Burret) Balick | Costa Rica E (8795), Panama E (8795)  | E        | nt       | 9998     | Y        |
| <i>Oenocarpus minor</i> Mart. ssp. <i>minor</i>                         | South America (northern half) nt (8795)   | nt       |          |          |          |
| <i>Oenocarpus minor</i> Mart. ssp. <i>intermedius</i> (Burret) Balick   | Colombia (Buenaventura & environs) V (8743)   | V        | V        | 9996     |          |
| <i>Oenocarpus tarapambae</i> Mart.                                      | Bolivia (Beni) ? (8795), Brazil (Rondonia) ? (8795)   | I        | I        | 8020     | Y        |
| <i>Orbignya barbosiana</i> Burret                                       | Brazil nt (8020), Guyana ? (8020), Suriname ? (8020)  | nt       | nt       | 9996     | Y        |
| <i>Orbignya campestris</i> Barb. Rodr.                                  | Brazil ? (8020)   | ?        | ?        | 8020     |          |
| <i>Orbignya cohune</i> (Mart.) Dahlgren ex Standley                     | Belize ? (8020), El Salvador ? (8020), Guatemala ? (8020), Honduras ? (8020), Mexico (southern) R (8020)  | nt       | nt       | 8020     | Y        |
| <i>Orbignya cuatrecasana</i> Dugand                                     | Colombia I (8020)   | I        | I        | 8020     |          |
| <i>Orbignya eichleri</i> Drude  | Brazil ? (8020)   | ?        | ?        | 8020     |          |

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| <u>Plant name</u>  | <u>Distribution</u>   | <u>(Cons. status)</u> | <u>(Data-source)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|---|-----------------------|----------------------|----------|----------|----------|----------|
| PALMAE (Cont.)   |   |                       |                      |          |          |          |          |
| <i>Orbignya guacuyule</i> (Liebm. ex Mart.) Hernandez              | Mexico ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya humilis</i> Mart.                                      | Bolivia ? (8020)  |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya longibracteata</i> Barb. Rodr.                         | Brazil ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya luetzelburgii</i> Burret                               | Brazil ? (8020), Colombia ? (8020)  |                       |                      | ?        | ?        |          | 9996 Y   |
| <i>Orbignya macrocarpa</i> Barb. Rodr.                             | Brazil ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya phalerata</i> Mart.                                    | Bolivia ? (8020)  |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya pixuna</i> (Barb. Rodr.) Barb. Rodr.                   | Brazil ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya polysticha</i> Burret                                  | Peru I (8020), Venezuela ? (8793)   |                       |                      | ?        | ?        |          | 8020 Y   |
| <i>Orbignya sabulosa</i> Barb. Rodr.                               | Brazil ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya sagotii</i> Trail ex Im Thurn                          | French Guiana ? (8020), Guyana ? (8020), Suriname nt (8020)   |                       |                      | nt       | nt       |          | 9996 Y   |
| <i>Orbignya spectabilis</i> (Mart.) Burret                         | Brazil ? (8020), French Guiana nt (8793), Suriname ? (8020)   |                       |                      | nt       | nt       |          | 9996 Y   |
| <i>Orbignya urbaniana</i> Dammer                                   | Brazil ? (8020)   |                       |                      | ?        | ?        |          | 8020     |
| <i>Orbignya</i> sp. (= <i>Attalea crassispatha</i> (Mart.) Burret) | Haiti (southwestern peninsula) E (8743)   | E                     | E                    |          |          |          | 9995     |
| <i>Palandra aequatorialis</i> (Spruce) O.F.Cook                    | Ecuador ? (8020)  |                       |                      | ?        | ?        |          | 9996     |
| <i>Parajubaea cocoides</i> Burret                                  | Ecuador V (8020)  | V                     | V                    |          |          |          | 8020     |
| <i>Parajubaea torallyi</i> (Mart.) Burret                          | Bolivia E (8020)  | E                     | E                    |          |          |          | 8020     |
| <i>Pholidostachys dactyloides</i> H.E.Moore                        | Colombia (west) V (8743), Ecuador ? (9000)  | ?                     | ?                    |          |          |          | 9996 Y   |
| <i>Pholidostachys pulchra</i> H.Wendl. ex Burret                   | Costa Rica V (8020)   | V                     | V                    |          |          |          | 9996     |
| <i>Pholidostachys synanthera</i> (Mart.) H.E.Moore                 | Brazil ? (8020), Colombia ? (8020), Ecuador ? (9000), Peru I (8020)   | ?                     | ?                    |          |          |          | 9996 Y   |
| <i>Phytelephas brachelus</i> O.F.Cook                              | Panama ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas brachinus</i> O.F.Cook                              | Panama ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas brevipes</i> O.F.Cook                               | Panama ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas cornutus</i> O.F.Cook                               | Panama ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas dasyneura</i> Burret                                | Colombia ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas karstenii</i> O.F.Cook                              | Colombia ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas longiflora</i> O.F.Cook                             | Venezuela ? (8020)  | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas macrocarpa</i> Ruiz & Pavon                         | Peru I (8020)   | I                     | I                    |          |          |          | 8020     |
| <i>Phytelephas microcarpa</i> Ruiz & Pavon                         | Brazil ? (8020), Ecuador ? (9000), Peru nt (8020)   | nt                    | nt                   |          |          |          | 8020 Y   |
| <i>Phytelephas pittieri</i> O.F.Cook                               | Panama ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas schottii</i> H.Wendl.                               | Colombia ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Phytelephas seemannii</i> O.F.Cook                              | Panama ? (8020), Colombia ? (8020)  | V                     | V                    |          |          |          | 8020 Y   |
| <i>Phytelephas tumacana</i> O.F.Cook                               | Colombia ? (8020)   | ?                     | ?                    |          |          |          | 8020     |
| <i>Polyandrococos caudescens</i> (Mart.) Barb. Rodr.               | Brazil (Atlantic forest) nt (8743)  | nt                    | nt                   |          |          |          | 8020     |
| <i>Polyandrococos pectinata</i> Barb. Rodr.                        | Brazil (Mato Grosso, ? elsewhere) ? (10262)   | ?                     | ?                    |          |          |          | 10262    |
| <i>Prestoea acuminata</i> (Willd.) H.E.Moore                       | Venezuela nt (8020)   | nt                    | nt                   |          |          |          | 8020     |
| <i>Prestoea allenii</i> H.E.Moore                                  | Panama I (8020)   | I                     | I                    |          |          |          | 8020     |
| <i>Prestoea asplundii</i> H.E.Moore                                | Ecuador (Napo-Pastaza) ? (9150)   | ?                     | ?                    |          |          |          | 9150     |
| <i>Prestoea cuatrecasasii</i> H.E.Moore                            | Colombia (Santander del Norte) ? (9150)   | ?                     | ?                    |          |          |          | 9150     |
| <i>Prestoea darienensis</i> A.Henderson                            | Panama (Serrania de Pirre) ? (10738)  | ?                     | ?                    |          |          |          | 10738    |
| <i>Prestoea decurrens</i> (H.Wendl. ex Burret) H.E.Moore           | Costa Rica V (8020)   | V                     | V                    |          |          |          | 8020     |
| <i>Prestoea ensiformis</i> (Ruiz & Pavon) H.E.Moore                | Peru I (8020)   | I                     | I                    |          |          |          | 8020     |
| <i>Prestoea longipetiolata</i> (Oersted) H.E.Moore                 | Costa Rica V (8020)   | V                     | V                    |          |          |          | 8020     |
| <i>Prestoea megalochlamys</i> (Burret) H.E.Moore                   | Peru I (8020)   | I                     | I                    |          |          |          | 8020     |
| <i>Prestoea montana</i> (Graham) Nicholson                         | Cuba (G; Gu; SC) ? (9774), Dominica ? (8767), Dominican Rep. V (8743), Grenada ? (8767), Guadeloupe ? (8767), Haiti I (8743), Martinique ? (8767), Montserrat ? (8767), Neth. Leeward I (Saba only) ? (8020), Puerto Rico ? (8020), St Kitts-Nevis (both islands) ? (8767), St Lucia ? (8767), St Mart & St Bt (St Martin only) ? (8767), St Vincent ? (8767) | nt                    | nt                   |          |          |          | 8020 N   |
| <i>Prestoea pubens</i> H.E.Moore                                   | Colombia (Del Valle) ? (9150)   | ?                     | ?                    |          |          |          | 9150     |
| <i>Prestoea pubigera</i> (Gr. & Wendl.) Benth. & Hook.             | Trinidad/Tobago ? (8020)  | ?                     | ?                    |          |          |          | 8020 Y   |
| <i>Prestoea roseospadix</i> (L.H.Bailey) H.E.Moore                 | Venezuela R (8798)  | R                     |                      |          |          |          |          |
|  | Panama I (8020)   | I                     | I                    |          |          |          | 8020     |

See end for explanation of Fields labelled 1 to 4

## PALMS OF THE NEW WORLD

| <u>Plant name</u>  | <u>Distribution (Cons. status)</u>   | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|--|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)   |  |                    |          |          |          |          |
| Prestoea schultzeana (Burret)<br>H.E.Moore   | Ecuador ? (8020)   |                    | ?        | ?        | 9996     |          |
| Prestoea sejuncta L.H.Bailey   | Panama I (8020), Ecuador ? (9000)  |                    | ?        | ?        | 8020     | Y        |
| Prestoea simplicifolia Galeano   | Colombia (Antioquia) ? (10265)   |                    | ?        | ?        | 10265    |          |
| Prestoea steyermarkii H.E.Moore  | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| Prestoea tenuiramosa (Dammer)<br>H.E.Moore   | Venezuela R (8020)   |                    | R        | R        | 8020     |          |
| Prestoea trichoclada (Burret) Balslev<br>& A.Henderson                                   | Ecuador ? (8020)   |                    | ?        | ?        | 9996     |          |
| Prestoea sp. (= Euterpe brachyspatha<br>Burret)  | Costa Rica V (8020)  |                    | V        | V        | 9995     |          |
| Pseudophoenix ekmanii Burret   | Dominican Rep. (Barahona Province) R   |                    | R        | R        |          |          |
| Pseudophoenix lediniana R.W.Read   | Haiti V (8020)   |                    | V        | V        | 2014     |          |
| Pseudophoenix sargentii H.A.Wendl. ex<br>Sarg. ssp. sargentii                            | Florida E (8020)   |                    | E        | V        | 8020     | Y        |
| Pseudophoenix sargentii H.Wendl. ex<br>Sarg. ssp. saonae (O.F.Cook) R.W.<br>Read         | Belize I (8020), Yucatan E/V (9019), Quintana<br>Roo E/V (9019)  |                    | V        |          |          |          |
| Pseudophoenix vinifera (Mart.) Becc.   | Bahamas V (8766), Cuba (VC; CA; C; T; Ho) ?<br>(9774), Dominica E (8767), Dominican Rep. ?<br>(8020), Haiti ? (8020), Navassa I. nt (8020),<br>Puerto Rico (Mona I.) E (8020),<br>Florida (south) ? (8766), Turks & Caicos ?<br>(8766) |                    | nt       | nt       | 8020     | Y        |
| Raphia taedigera (C.Martius) C.Martius   | Dominican Rep. ? (8020), Haiti ? (8020)  |                    | nt       | nt       | 8020     | Y        |
| Reinhardtia elegans Liebm. ex Mart.  | Costa Rica nt, Nicaragua ?, Panama ?,<br>Brazil nt, Colombia ?   |                    | nt       | nt       |          |          |
| Reinhardtia gracilis (H.Wendl.) Drude<br>ex Dammer var. gracilis                         | Mexico I (8020)  |                    | I        | I        | 8020     |          |
| Reinhardtia gracilis (H.Wendl.) Drude<br>ex Dammer var. gracilior (Burret)<br>H.E. Moore | Belize ? (8020), Guatemala ? (8020),<br>Honduras ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| Reinhardtia gracilis (H.Wendl.) Drude<br>ex Dammer var. rostrata (Burret)<br>H.E. Moore  | Belize ? (8020), Guatemala ? (8020),<br>Honduras ? (8020), Mexico R (8020)   |                    | ?        | ?        | 8020     | Y        |
| Reinhardtia gracilis (H.Wendl.) Drude<br>ex Dammer var. tenuissima H.E.Moore             | Costa Rica V (8020), Nicaragua ? (8020)  |                    | ?        | ?        | 8020     | Y        |
| Reinhardtia koschnyana (H.Wendl. &<br>Dammer) Burret                                     | Mexico I (8020)  |                    | I        | I        | 8020     |          |
| Reinhardtia latisecta (H.Wendl.)<br>Burret   | Costa Rica (Alajuela Province) E (8743),<br>Nicaragua (Zelaya Department) V (8743),<br>Panama (Darien) E (8743)  |                    | V        | V        | 8020     | Y        |
| Reinhardtia paiewonskiana Read, Zanoni<br>& Mejia  | Colombia (Antioquia and Choco) E (8743)  |                    | E        |          |          |          |
| Reinhardtia simplex (H.Wendl.) Drude<br>ex Dammer  | Belize ? (8020), Guatemala ? (8020)  |                    | I        | I        | 8020     | Y        |
| Rapidophyllum hystrix (Pursh)<br>H.A.Wendl. & Drude                                      | Dominican Rep. (Mts of Barahona) E (10744)   |                    | E        | E        | 10744    |          |
| Roystonea altissima (Miller) H.E.Moore   | Belize ? (8797), Costa Rica E (9998),<br>Honduras ? (8020), Nicaragua ? (9998),<br>Panama E (8020)   |                    | ?        | ?        | 8020     | Y        |
| Roystonea borinquena O.F.Cook  | Alabama (southern) R (8317), Florida R<br>(8317), Georgia (US) (south-eastern) R<br>(8317), Mississippi (southern) R (8317), S.<br>Carolina R (8317)   |                    | R        | V        |          | Y        |
| Roystonea dunlapiana P.H.Allen   | Jamaica nt (8020)  |                    | nt       | nt       | 8020     |          |
| Roystonea elata (Bartram) F.Harper   | Puerto Rico nt (8020)  |                    | nt       | nt       | 8020     |          |
| Roystonea hispaniolana L.H.Bailey  | Honduras ? (8020)  |                    | ?        | ?        | 8020     |          |
| Roystonea jenmanii (Wright) Burret   | Florida E (2014)   |                    | E        | E        | 2014     |          |
| Roystonea lenis Leon   | Bahamas ? (8766), Dominican Rep. (abundant,<br>many situations) nt (8766), Haiti (abundant,<br>many situations) nt (8766)  |                    | nt       | nt       | 8020     | Y        |
| Roystonea oleracea (Jacq.f.) O.F.Cook  | Guyana ? (8020)  |                    | ?        | ?        | 8020     |          |
| Roystonea princeps (Becc.) Burret  | Cuba (Guantanamo) nt (9774)  |                    | nt       | nt       | 9244     |          |
| Roystonea regia (H.B. & K.) O.F.Cook<br>var. regia                                       | Barbados ? (8767), Dominican ? (8767),<br>Guadeloupe ? (8767), Martinique ? (8767),<br>Trinidad/Tobago (both islands) ? (8767)   |                    | nt       | nt       | 8020     | Y        |
| Roystonea regia (H.B. & K.) O.F.Cook<br>var. hondurensis Allen                           | Guyana ? (8020), Venezuela ? (8767)  |                    | ?        |          |          |          |
| Roystonea regia (H.B. & K.) O.F.Cook<br>var. pinguis L.H.Bailey                          | Jamaica nt (8020)  |                    | nt       | nt       | 8020     |          |
|  | Cuba (throughout) nt (9774)  |                    | nt       | nt       | 9244     |          |
|  | Honduras ? (8020)  |                    | ?        | ?        | 8020     |          |
|  | Cuba (Guantanamo) R (9774)   |                    | R        | R        | 9244     |          |

See end for explanation of Fields labelled 1 to 4

PALMS OF THE NEW WORLD

| <u>Plant name</u>                                    | <u>Distribution (Cons. status) (Data-source)</u>                                     | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--|--|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>                                |  |          |          |          |          |
| <i>Roystonea stellata</i> Leon                       | Cuba (Guantanamo) I (5607)   | I        | I        | 9244     |          |
| <i>Roystonea venezuelana</i> L.H.Bailey              | Venezuela nt (8020)  | nt       | nt       | 3020     |          |
| <i>Roystonea violacea</i> Leon                       | Cuba (Guantanamo) I (5607)   | I        | I        | 9244     |          |
| <i>Sabal bermudana</i> L.H.Bailey                    | Bermuda E (8020)   | E        | E        | 8020     |          |
| <i>Sabal causiarum</i> (O.F.Cook) Becc.              | Puerto Rico K (8020)   | K        | K        | 8020     |          |
| <i>Sabal dominicensis</i> Becc.                      | Dominican Rep. nt (8020)   | nt       | nt       | 8020     |          |
| <i>Sabal dugesii</i> S.Watson ex L.H.Bailey          | Guanajuato (Guanajuato City, c. 2000 m) I (8743)                                     | I        | I        | 8020     |          |
| <i>Sabal etonia</i> Swingle ex Nash                  | Florida nt (8020)  | nt       | nt       | 8020     |          |
| <i>Sabal haitensis</i> Becc.                         | Haiti ? (8020)   | ?        | ?        | 8020     |          |
| <i>Sabal jamaicensis</i> Becc.                       | Jamaica nt (8020)  | nt       | nt       | 8020     |          |
| <i>Sabal mauritiaeformis</i> (Karsten)               | Belize ? (8020), Guatemala ? (8020), Panama ? (8799)                                 | ?        | nt       | 8020     | Y        |
| Griseb. & H.Wendl.                                   | Trinidad/Tobago nt (8020), Colombia ? (8020), Venezuela nt (8020)                    | nt       |          |          |          |
| <i>Sabal mexicana</i> Mart.                          | Texas nt (8020)  | nt       | nt       | 8020     | Y        |
| <i>Sabal minor</i> (Jacq.f.) Pers.                   | Guatemala ? (8020), Mexico ? (8020)  | ?        |          |          |          |
| <i>Sabal palmetto</i> (Walter) Lodd. ex Schultes     | U.S. nt (8020)   | nt       | nt       | 8020     |          |
| <i>Sabal parviflora</i> Becc.                        | Bahamas ? (8766), Turks & Caicos ? (8766)  | ?        | nt       | 8020     | Y        |
| <i>Sabal pumos</i> (H.B. & K.) Burret                | U.S. (N. Carolina to Florida) nt (8020)  | nt       |          |          |          |
| <i>Sabal rosei</i> (O.F.Cook) Becc.                  | Cuba (throughout) nt (9774)  | nt       | nt       | 9244     |          |
| <i>Sabal uresana</i> Trelease                        | Mexico R (8020)  | R        | R        | 8020     |          |
| <i>Sabal yapa</i> C.Wright ex Becc.                  | Mexico nt (8020)   | nt       | nt       | 8020     |          |
|  | Mexico R (8020)  | R        | R        | 8020     |          |
|  | Cuba (PR; IP; H; M) nt (9774), Belize I (8020), Guatemala I (8020), Mexico nt (8020) | nt       | nt       | 8020     | Y        |
| <i>Scheelea amyacea</i> Barb. Rodr.                  | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea anisitsiana</i> Barb. Rodr.              | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea attaleoides</i> Karsten                  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea bassleriana</i> Burret                   | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea blepharopus</i> (Mart.) Burret           | Bolivia ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea brachyclada</i> Burret                   | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea butyracea</i> (Mutis ex L.f.) H.Wendl.   | Colombia E (8020), Venezuela I (8743)  | V        | V        | 8020     | Y        |
| <i>Scheelea cephalotes</i> (Poppig ex Mart.) Karsten | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea costaricensis</i> Burret                 | Costa Rica ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea cubensis</i> Burret                      | Cuba K (9244)  | K        | K        | 9244     |          |
| <i>Scheelea curvifrons</i> L.H.Bailey                | Trinidad/Tobago ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea excelsa</i> Karsten                      | Colombia nt (8020)   | nt       | nt       | 8020     |          |
| <i>Scheelea goeldiana</i> (Huber) Burret             | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea huebneri</i> Burret                      | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea humboldtiana</i> (Spruce) Burret         | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea insignis</i> (Mart.) Karsten             | Bolivia ? (8020), Brazil ? (8020), Colombia ? (8020), Ecuador ? (8020)               | ?        | ?        | 8020     | Y        |
| <i>Scheelea lauromulleriana</i> Barb. Rodr.          | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea leandriana</i> Barb. Rodr.               | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea liebmanni</i> Becc.                      | Mexico ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea lundellii</i> H.H.Bartlett               | Guatemala ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea macrocarpa</i> Karsten                   | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea macrolepis</i> Burret                    | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea magdalenaica</i> Dugard                  | Colombia ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea maracaibensis</i> (Mart.) Burret         | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea martiana</i> Burret                      | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea microspadix</i> Burret                   | Brazil ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea osmantha</i> Barb. Rodr.                 | Trinidad/Tobago ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea parviflora</i> (Barb. Rodr.) Barb. Rodr. | Paraguay ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea passargei</i> Burret                     | Venezuela ? (8020)   | ?        | ?        | 8020     |          |
| <i>Scheelea phalerata</i> (Mart.) Burret             | Brazil ? (8020), Paraguay ? (8020)   | ?        | ?        | 8020     | Y        |
| <i>Scheelea preussii</i> Burret                      | Guatemala ? (8020), Mexico R (8020)  | ?        | ?        | 8020     | Y        |
| <i>Scheelea princeps</i> (Mart.) Karsten             | Bolivia nt (8020)  | nt       | nt       | 8020     | Y        |
| <i>Scheelea quadrisperma</i> Barb. Rodr.             | Brazil ? (8020)  | ?        |          |          |          |
| <i>Scheelea quadrисulcata</i> Barb. Rodr.            | Paraguay ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea rostrata</i> (Oersted) Burret            | Paraguay ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea stenorhyncha</i> Burret                  | Costa Rica V (8020)  | V        | V        | 8020     |          |
| <i>Scheelea tessmannii</i> Burret                    | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea tetrasticha</i> (Drude) Burret           | Peru ? (8020)  | ?        | ?        | 8020     |          |
| <i>Scheelea urbaniana</i> Burret                     | Brazil ? (8020)  | ?        | ?        | 8020     |          |
|  | Trinidad/Tobago (Tobago only) K (8020)   | K        | K        | 8020     |          |

See end for explanation of Fields labelled 1 to 4

PALMS OF THE NEW WORLD

| <u>Plant name</u>                                     | <u>Distribution</u>  | <u>(Cons. status)</u> | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|--|-----------------------|--------------------|----------|----------|----------|----------|
| <b>PALMAE (Cont.)</b>                                 |  |                       |                    |          |          |          |          |
| <i>Scheelea wallisii</i> (Huber) Burret               | Brazil ? (8020), Peru ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Scheelea weberbaueri</i> Burret                    | Peru ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Scheelea zonensis</i> L.H.Bailey                   | Panama V (8020)  | V                     | V                  |          |          | 8020     |          |
| <i>Schipppia concolor</i> Burret                      | Belize (Cayo District) ? (8743),<br>Guatemala (lower Peten) ? (8743)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Serenoa repens</i> (Bartram) Small                 | U.S. (Carolina to FL Keys & MS) nt (8020)  | nt                    | nt                 |          |          | 8020     |          |
| <i>Socratea durissima</i> (Oersted) H.Wendl.          | Costa Rica V (8020), Nicaragua ? (8020),<br>Panama V (8020), Colombia ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Socratea exorrhiza</i> (Mart.) H.Wendl.            | Bolivia V (8020), Brazil ? (8020), Colombia ? (8020),<br>Ecuador ? (8020), Guyana ? (8020),<br>Suriname ? (8020), Venezuela ? (8020)   | nt                    | nt                 |          |          | 9996     | Y        |
| <i>Socratea hecatonandra</i> (Dugand)<br>R.Bernal     | Colombia (west) E (8743), Ecuador ? (9000)   | ?                     | ?                  |          |          | 9996     | Y        |
| <i>Socratea macrochlamys</i> Burret                   | Colombia ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Socratea montana</i> R.Bernal &<br>A.Henderson     | Colombia (Antioquia) ? (10264)   | ?                     | ?                  |          |          | 10264    |          |
| <i>Socratea rostrata</i> Burret                       | Ecuador ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Socratea salazarii</i> H.E.Moore                   | Peru (Loreto & Amazonas Depts) R (8743)  | R                     | R                  |          |          | 2014     |          |
| <i>Syagrus acaulis</i> (Drude) Becc.                  | Goias (cerrados) E (8743), Piaui (cerrados) E (8743)   | E                     | E                  |          |          | 8020     | Y        |
| <i>Syagrus amara</i> (Jacq.f.) Mart.                  | Dominica R (8767), Guadeloupe R (8767),<br>Martinique R (8767), Montserrat Ex/E (8767),<br>St Lucia I (8767), Trinidad/Tobago K (8767) | R                     | R                  |          |          | 8020     | Y        |
| <i>Syagrus botryophora</i> (Mart.) Mart.              | Bahia (coastal forest) E/V (8743)  | E/V                   | E/V                |          |          | 8020     |          |
| <i>Syagrus campicola</i> (Barb. Rodr.) Becc.          | Paraguay E (8020)  | E                     | E                  |          |          | 8020     |          |
| <i>Syagrus campylospatha</i> (Barb. Rodr.)<br>Becc.   | Paraguay ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus cardenasii</i> Glassman                    | Bolivia ? (8020)   | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus cocoides</i> Mart.                         | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus comosa</i> (Mart.) Mart.                   | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus coronata</i> (Mart.) Becc.                 | Brazil nt (8020)   | nt                    | nt                 |          |          | 8020     |          |
| <i>Syagrus duartei</i> Glassman                       | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus flexuosa</i> (Mart.) Becc.                 | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus glaucescens</i> Glaziou ex Becc.           | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus graminifolia</i> (Drude) Becc.             | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus harleyi</i> Glassman                       | Brazil V (8793)  | V                     | V                  |          |          | 8793     |          |
| <i>Syagrus inajai</i> (Spruce) Becc.                  | Brazil ? (8020), Colombia ? (8020), French<br>Guiana R (8020), Suriname ? (8020)   | nt                    | nt                 |          |          | 8020     | Y        |
| <i>Syagrus leptospatha</i> Burret                     | Mato Grosso E (8743)   | E                     | E                  |          |          | 8020     |          |
| <i>Syagrus lilliputiana</i> (Barb. Rodr.)<br>Becc.    | Paraguay E (8020)  | E                     | E                  |          |          | 8020     |          |
| <i>Syagrus loefgrenii</i> Glassman                    | Brazil (Atlantic forest) ? (8743)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus macrocarpa</i> Barb. Rodr.                 | Minas Gerais E (8743), Rio de Janeiro E (8743)   | E                     | E                  |          |          | 8020     | Y        |
| <i>Syagrus mendanhensis</i> Glassman                  | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus microphylla</i> Burret                     | Brazil R (8020)  | R                     | R                  |          |          | 8020     |          |
| <i>Syagrus oleracea</i> (Mart.) Becc.                 | Brazil ? (8020), Paraguay ? (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Syagrus orinocensis</i> (Spruce) Burret            | Colombia ? (8020), Venezuela nt (8020)   | nt                    | nt                 |          |          | 8020     | Y        |
| <i>Syagrus petraea</i> (Mart.) Becc.                  | Bolivia ? (8020), Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus pleiochlada</i> Burret                     | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus pseudococos</i> (Raddi) Glassman           | Rio de Janeiro E (8743), Sao Paulo E (8743)  | E                     | E                  |          |          | 8743     | Y        |
| <i>Syagrus romanzoffiana</i> (Cham.) Glassman         | Argentina V (8020), Brazil nt (8020),<br>Paraguay ? (8020), Uruguay ? (8020)   | nt                    | nt                 |          |          | 8020     | Y        |
| <i>Syagrus ruschiana</i> (Bondar) Glassman            | Brazil (Atlantic forest) ? (8743)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus sancona</i> Karsten                        | Colombia E (8793), Ecuador ? (8020), Peru ? (8020), Venezuela V (8020)   | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Syagrus schizophylla</i> (Mart.) Glassman          | Brazil (Atlantic forest) ? (8743)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus smithii</i> (H.E.Moore) Glassman           | Peru (Loreto Province) R (8743)  | R                     | R                  |          |          | 8743     |          |
| <i>Syagrus stratinalcola</i> W.Boer                   | Suriname R (8679)  | R                     | R                  |          |          | 8679     |          |
| <i>Syagrus vagans</i> (Bondar) A.D.Hawkes             | Brazil ? (8020)  | ?                     | ?                  |          |          | 8020     |          |
| <i>Syagrus werdermannii</i> Burret                    | Brazil V (8020)  | V                     | V                  |          |          | 8020     |          |
| <i>Synechanthus fibrosus</i> (H.Wendl.)<br>H.Wendl.   | Belize ? (8020), Costa Rica Ex/E (8020),<br>Guatemala ? (8020), Honduras ? (8020),<br>Mexico E (8020)                                  | ?                     | ?                  |          |          | 8020     | Y        |
| <i>Synechanthus warscewiczianus</i> H.Wendl.          | Costa Rica ? (8020), Panama ? (8020),<br>Colombia ? (8020), Ecuador ? (8020)   | V                     | V                  |          |          | 8020     | Y        |
| <i>Thrinax compacta</i> (H.Wendl.) Borhidi &<br>Muniz | Cuba (Santiago de Cuba, Holguin) I (5607)  | I                     | I                  |          |          | 9996     |          |
| <i>Thrinax ekmaniana</i> (Burret) Borhidi &<br>Muniz  | Cuba (Vila Clara) E (5607)   | E                     | E                  |          |          | 9996     |          |
| <i>Thrinax excelsa</i> Lodd. ex Griseb.               | Jamaica nt (8765)  | nt                    | nt                 |          |          | 8765     |          |

See end for explanation of Fields labelled 1 to 4

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| <u>Plant name</u>   | <u>Distribution (Cons. status)</u>  | <u>Data-source</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|---|---|--------------------|----------|----------|----------|----------|
| PALMAE (Cont.)  |   |                    |          |          |          |          |
| <i>Thrinax morrisii</i> H.Wendl.  | Antigua/Barbuda (only Barbuda) ? (8765),<br>Bahamas ? (8766), Cuba (PR; IP; CA; C; H) ?<br>(9774), Dominican Rep. nt (8763), Navassa<br>I. ? (8765), Puerto Rico ? (8765), St<br>Kitts-Nevis (only Anguilla) ? (8765),<br>Florida nt (8765), Turks & Caicos ? (8766)<br>Jamaica nt (8765) | nt                 | nt       | 8765     | ?        |          |
| <i>Thrinax parviflora</i> Swartz ssp.<br><i>parviflora</i>  |   |                    | nt       | nt       | 8765     |          |
| <i>Thrinax parviflora</i> Swartz ssp.<br><i>puberula</i> R.W.Read                                   | Jamaica nt (8765)   |                    | nt       | nt       | 8765     |          |
| <i>Thrinax radiata</i> Lodd. ex J.A. &<br>J.H.Schultes  | Bahamas ? (8766), Cuba (throughout) nt<br>(9774), Dominican Rep. nt (8743), Haiti ?<br>(8765), Jamaica ? (8765)<br>Florida ? (8765)<br>Belize ? (8765), Honduras ? (8765),<br>Mexico (Yucatan & Quintana Roo) V (9997)<br>Cuba (Guantanamo; Holguin) V (9774)                             | nt                 | nt       | 8765     | Y        |          |
| <i>Thrinax rivularis</i> (Leon) Borhidi &<br>Muniz var. <i>rivularis</i>                            |   | V                  | V        | 9996     |          |          |
| <i>Thrinax rivularis</i> (Leon) Borhidi &<br>Muniz var. <i>savannarum</i> (Leon)<br>Borhidi & Muniz | Cuba (Guantanamo; Holguin) V (9774)   | V                  | V        | 9996     |          |          |
| <i>Trithrinax acanthocoma</i> Drude   | Brazil (Atlantic forest) ? (8743)   | ?                  | ?        | 8020     |          |          |
| <i>Trithrinax biflabellata</i> Barb. Rodr.  | Argentina E (8772), Paraguay ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Trithrinax brasiliensis</i> Mart.  | Argentina (Entre Rios Province) E (8743), Rio<br>Grande (S) K (8743)  | K                  | K        | 8020     | Y        |          |
| <i>Trithrinax campestris</i> (Burmeister)<br>Drude & Griseb.  | Argentina V (8020), Uruguay ? (8020)  | ?                  | ?        | 8020     | Y        |          |
| <i>Trithrinax schizophylla</i> Drude  | Bolivia ? (8020), Brazil ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Washingtonia filifera</i> (L.Linden)<br>H.Wendl.   | U.S. R (8020), Mexico R (8020)  | R                  | R        | 8020     | Y        |          |
| <i>Washingtonia robusta</i> H.Wendl.  | Mexico ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Welfia georgii</i> H.Wendl. ex Burret  | Costa Rica ? (8020), Honduras ? (8020),<br>Panama ? (8020), Colombia ? (8020), Ecuador ?<br>(9000)  | ?                  | ?        | 8020     |          |          |
| <i>Welfia regia</i> H.Wendl. ex Andre   | Colombia ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Wendlandiella gracilis</i> Dammer  | Peru ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Wendlandiella polyclada</i> Burret   | Peru ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Wendlandiella simplicifrons</i> Burret   | Peru ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Wettinia augusta</i> Poeppig & Endl.   | Peru V (8020)   | V                  | V        | 8020     |          |          |
| <i>Wettinia castanea</i> H.E.Moore &<br>Dransfield  | Colombia (Choco) E (8743)   | E                  | E        | 8793     |          |          |
| <i>Wettinia cladospadix</i> (Dug.) H.E.Moore<br>& Dransfield  | Colombia (Valle) V (8020), Ecuador ? (9000)   | ?                  | ?        | 9996     | Y        |          |
| <i>Wettinia fascicularis</i> (Burr.)<br>H.E.Moore & Dransfield                                      | Colombia V (8020)   | V                  | V        | 9996     |          |          |
| <i>Wettinia hirsuta</i> Burret  | Panama ? (8020), Colombia ? (8020)  | V                  | V        | 8020     | Y        |          |
| <i>Wettinia longipetala</i> A.Gentry  | Peru (Pasco) ? (8801)   | ?                  | ?        | 8801     |          |          |
| <i>Wettinia maynensis</i> Spruce  | Colombia ? (8020), Ecuador ? (8020), Peru I<br>(8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Wettinia oxycarpa</i> Galeano & R.Bernal   | Colombia (Choco) V (8903), Ecuador ? (9000)   | ?                  | ?        | 8903     | Y        |          |
| <i>Wettinia quinaria</i> (O.F.Cook & Doyle)<br>Burret   | Colombia V (8020), Ecuador ? (8020)   | ?                  | ?        | 8020     | Y        |          |
| <i>Wettinia verruculosa</i> H.E.Moore   | Ecuador ? (9213)  | ?                  | ?        | 9213     |          |          |
| <i>Wettinia weberbaueri</i> Burret  | Peru ? (8020)   | ?                  | ?        | 8020     |          |          |
| <i>Zombia antillarum</i> (Descourt.)<br>L.H.Bailey  | Dominican Rep. I (2014), Haiti ? (2014)   | ?                  | ?        | 2014     | Y        |          |

INDEX OF DATA SOURCES

2014 Moore, H.E., Jr (1979). Endangerment at the specific and generic levels in palms. *Principes*, 23(2): 47-64.  
[Notes: Reprinted from Prance and Elias, eds, 1977, DS 6165.]

5607 Borhidi, A., Muniz, O. (1983). Catalogo de plantas Cubanas amenazadas o extinguidas. Sp. Edit. Academia. 85p.  
[Notes: Lists 959 species of gymnosperms and flowering plants threatened or extinct, including 832 endemics, with their distribution by provinces and assignment into categories - noncompatible with IUCN categories.]

5642 Jimenez, J. de J. (1978). Lista tentativa de plantas de la Republica Dominicana que deben protegerse para  
evitar su extincion. Coloquio Internacional sobre la practica de la conservacion. Santo Domingo. CIBIMA/UASD.  
[Notes: Sp. Lists 133 species of threatened flowering plants, of which 49 are endemic.]

8020 Glassman, S.F. (1972). A Revision of B.E. Dahlgren's Index of American Palms. *Phanerogamarum Monographiae*  
Tomus VI, Cramer, 3301 Lehre. [Notes: 294p.]

8317 Johnson, Dennis V. (1986). Letter to Jana Zantovska. Dated 11 September 1986. [Notes: Defines the  
conservation status of 4 U.S. palm species, following consultation with R.W. Read and others.]

PALMS OF THE NEW WORLD

4 January 1988

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8679 van Roosmalen, M.G.M. (1985). Fruits of the Guianan Flora. Institute of Systematic Botany, Utrecht and Silvicultural Dept. of Wageningen Agricultural University, Wageningen.

8743 Johnson, D.V., with Read, R.W., Balick, M.J. (1986). Economic botany and threatened species of the palm family in Latin America and the Caribbean. Part 2. The status of threatened species of the palm family in Latin America and the Caribbean. Mimeo. 30 September 1986. [Notes: Final report on WWF 3322. Includes Appendix 2, on palms of Atlantic forest. Appendix 1, by H.Balslev on Ecuador, is a separate entry.]

8765 Read, R.W. (1975). The genus *Thrinax* (Palmae: Coryphoideae). *Smithson. Contr. Bot.*, No. 19. 98p.

8766 Correll, D.S., Correll, H.B. (1982). Flora of the Bahama Archipelago. Cramer, FL-9490 Vaduz, Liechtenstein. 1692p. [Notes: Includes the Turks and Caicos Islands.]

8767 Howard, R.A., ed. (1974). Flora of the Lesser Antilles, Leeward and Windward Islands. Arnold Arboretum, Mass. 3 vols so far.

8772 Pingitore, E. (1979). Returned Questionnaire: Palms of Argentina, and accompanying letter. TPU, July 1979. Returned August 1979.

8773 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Argentina. TPU, July 1979. Returned February 1980.

8774 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Brazil. TPU, October 1978. Returned February 1980.

8775 Reed, R.W. (1980). Returned Questionnaire: Palms of Grenada. TPU, October 1978. Returned February 1980.

8776 Reed, R.W. (1980). Returned Questionnaire: Palms of Barbados. TPU, October 1978. Returned February 1980.

8777 de Granville, J.J. (1980). Returned Questionnaire: Palms of French Guiana. TPU, March 1980. Returned April 1980.

8778 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Mexico. TPU, October 1978. Returned February 1980. [Notes: Missing from TPU file.]

8785 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Costa Rica. TPU, October 1978. Returned February 1980.

8786 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Guatemala. TPU, October 1978. Returned February 1980.

8787 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Ecuador. TPU, October 1978. Returned February 1980.

8793 Dransfield, J. (1979). Lists and comments on palms, made in 1979. Multiple entry. [Notes: Some written on card index.]

8794 Dransfield, J. (1978). Lists and comments on palms, made in 1978. Multiple entry. [Notes: Some written on card index.]

8795 Balick, M.J. (1981). Letter to Hugh Syngle, with accompanying manuscript key to *Oenocarpus*. Letter dated 16 March 1981.

8797 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Honduras. TPU, October 1978. Returned February 1980.

8798 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Venezuela. TPU, October 1978. Returned February 1980.

8799 Moore, H.E., jr (1980). Returned Questionnaire: Palms of Belize. TPU, October 1978. Returned February 1980.

8800 Hartshorn, G. (1979). Returned Questionnaire: Palms of Costa Rica. TPU, October 1978. Returned 1979.

8801 Gentry, A.H. (1986). Notes on Peruvian palms. *Ann. Missouri Bot. Gard.*, 73(1): 158-165. [Notes: Describes 3 new species, makes 3 new combinations and reports 1 new record for Peru.]

8901 Pingitore, E. (1980). Letter to Mr G. Lucas. Dated 29 April 1980. [Notes: Includes manuscript on threatened and endangered palms of Argentina.]

8902 Read, R.W. (1980). Returned Questionnaire: Palms of Dominica. TPU, October 1978. Returned February 1980.

8903 Galeano-Garces, G., Bernal-Gonzalez, R. (1983). Novedades de las palmas de Colombia-1. *Caldasia*, 13(65): 693-699.

8904 Glassman, S.F. (1979). Re-evaluation of the genus *Butia* with a description of a new species. *Principes*, 23(2): 65-79. [Notes: New species is *Butia purpurascens*.]

9000 Balslev, H. (1986). A listing of Ecuadorian Palms. In Johnson, D.V., Final Report WWF 3322. Economic botany and threatened species of the palm family in Latin America and the Caribbean. Part 2. 48-51.

9019 Vovides, A.P. (1981). Lista preliminar de plantas Mexicanas raras o en peligro de extincion. *Biotico*, 6(2): 219-228. [Notes: Preliminary list of 210 rare, threatened and endangered species.]

9114 Vovides, A.P. (1986). Relacion de Plantas Mexicanas Raras o en Peligro de Extincion. Veracruz, INTREB. [Notes: 7p.]

9148 Quero, H.J., Read, R.W. (1986). A revision of the palm genus *Gaussia*. *Syst. Bot.*, 11(1): 145-154.

9149 Moore, H.E., jr (1980). Two new species of *Geonoma* (Palmae). *Gentes Herbarum*, 12(1): 25-29.

9150 Moore, H.E., jr (1980). Four new species of Palmae from South America *Gentes Herbarum*, 12(1): 30-38.

9213 Moore, H.E., jr (1982). A new species of *Wettinia* (Palmae) from Ecuador. *Principes*, 26(1): 42-43.

9214 Read, R.W. (1980). Notes on Palmae, I. *Phytologia*, 46(5): 285-287. [Notes: Describes *Coccothrinax proctorii*.]

9244 Muniz, O., Borhidi, A. (1982). Catalogo de las palmas de Cuba. *Acta Botanica Academiae Scientiarum Hungaricae*, 28(3-4): 309-345. [Notes: John Dransfield has a copy.]

9268 Borhidi, A., Muniz, O. (1985). Adiciones al Catalogo de las palmas de Cuba. *Acta Bot. Hungarica*, 31(1-4): 225-230.

9774 Borhidi, A. (1987). Letter to VHH, 25 February 1987, and annotations to CMC printout of Cuban palms. TPU printout dated 2 February 1987.

9995 Numerous (?). New plant name combination not yet made.

9996 Numerous (?). Plant name changes. [Notes: Where the plant name has been changed from an earlier usage in the datafile.]

9997 Numerous (?). Multiple data sources. [Notes: Where more than one data source was required to provide the information required.]

9998 Numerous (?). Assumed data. [Notes: Where assumptions are made on the data before incorporation.]

10256 Balick, M. (1981). Letter to TPU on Latin American palms. Dated 14 March 1981.

10262 Dransfield, J. (1987). Lists and comments on palms, made in 1987. Multiple entry.

10263 Quero, H.J. (1980). *Coccothrinax readii*, a new species from the Peninsula of Yucatan, Mexico. *Principes*, 24(3): 118-124.

10264 Bernal-Gonzalez, R., Henderson, A. (1986). A new species of *Socratea* (Palmae) from Colombia with notes on the genus. *Brittonia*, 38(1): 55-59.

10265 Galeano-Garces, G. (1986). Two new species of Palmae from Colombia. *Brittonia*, 38(1): 60-64. [Notes: *Chamaedorea macroloba* and *Prestoea simplicifolia*.]

PALMS OF THE NEW WORLD

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10738 Henderson, A. (1986). A new Prestoea (Palmae) from Panama, with notes on the genus. Brittonia, 38(3): 266-268. [Notes: Prestoea darienensis, from Panama.]

10739 Moore, H.E., Jr (1982). Geonoma tenuissima. Principes, 26(4): 204-205.

10740 Galeano-Garcés, G. (1986). Geonoma chlamydostachys, a new species from Colombia. Principes, 30(2): 71-74.

10741 Galeano-Garcés, G., Bernal-González, R. (1985). Aiphanes acaulis, a new species from Colombia. Principes, 29(1): 20-22.

10743 Bernal-González, R. (1986). Catoblastus distichus, an interesting new palm from Colombia. Principes, 30(1): 38-41.

10744 Read, R.W., Zanoni, T.A., Mejía, M. (1987). Reinhardtia paiewonskiana (Palmae), a new species for the West Indies. Brittonia, 39(1): 20-25. [Notes: Endangered palm from Dominican Republic.]

10746 Balslev, H., Henderson, A. (1987). The identity of Ynesa colenda (Palmae). Brittonia, 39(1): 1-6. [Notes: Renames it as Attalea colenda.]

10874 Zanoni, T.A. (1986). Hispaniola. The Palms of the Dominican Republic and Haiti. In Johnson, D. et al., Economic botany and threatened species of the palm family in Latin America and the Caribbean. Part 1. Economic Botany ... Pp. 20-26. [Notes: Report of WWF Project 3322 (WWF-US), 30 November.]

EXPLANATION OF FIELDS LABELLED 1 TO 4

1. Regional IUCN Red Data Book category for the degree of threat. Ex: Extinct; E: Endangered; V: Vulnerable; R: Rare; I: Indeterminate; K: Insufficiently known; C: Candidate; ?: no data; nt: neither rare nor threatened.
2. World IUCN Red Data Book category for the degree of threat. Ex: Extinct; E: Endangered; V: Vulnerable; R: Rare; I: Indeterminate; K: Insufficiently known; C: Candidate; ?: no data; nt: neither rare nor threatened.
3. Data source for Plant Name - see preceding list.
4. Distribution completeness code. Y: Distribution complete; N: Distribution incomplete; ?: Not known whether distribution complete; Space: Taxon confined to one CMC area.

NUMBERS OF NEW WORLD PALM TAXA ARRANGED BY COUNTRY

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| <u>AREA NAME</u>       | Ex | Ex/E | E | E/V | V | V/R | R | E/R | I  | C | K  | ?  | V/nt | R/nt | nt | O  | Threat'd | Total |    |
|------------------------|----|------|---|-----|---|-----|---|-----|----|---|----|----|------|------|----|----|----------|-------|----|
| <u>CARIBBEAN</u>       |    |      |   |     |   |     |   |     |    |   |    |    |      |      |    |    |          |       |    |
| Antigua/Barbuda        | ne |      |   |     |   |     |   |     |    |   |    |    |      |      | 3  |    |          | 3     |    |
| Bahamas                | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 7    |    | 1  |          | 8     |    |
| Barbados               | e  |      |   |     |   |     |   | 1   |    |   |    |    |      |      |    | 1  |          | 1     |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      |      | 3  |    |          | 3     |    |
| Bermuda                | e  |      |   |     | 1 |     |   |     |    |   |    |    |      |      |    | 1  |          | 1     |    |
| Cayman Is.             | e  |      |   |     |   |     |   |     |    |   |    | 1  |      |      |    |    |          | 1     |    |
| Cuba                   | e  |      | 6 | 3   |   | 16  |   | 7   | 14 |   |    |    |      | 37   |    | 32 |          | 83    |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 6    |    |    | 6        |       |    |
| Dominica               | ne |      |   |     |   |     |   | 1   | 1  |   |    |    |      | 10   |    | 2  |          | 12    |    |
| Dominican Rep.         | e  |      | 1 |     |   |     |   | 1   |    |   |    |    |      | 1    |    | 2  |          | 3     |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 8    |    | 4  |          | 15    |    |
| Grenada                | e  |      |   |     |   | 1   |   |     | 3  |   |    | 3  |      |      |    | 1  |          | 1     |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 3    |    |    | 3        |       |    |
| Guadeloupe             | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 8    |    | 1  |          | 9     |    |
| Haiti                  | e  |      | 2 | 1   |   | 1   |   |     |    |   |    | 3  |      |      |    | 4  |          | 7     |    |
|                        | ne |      |   |     |   |     |   |     | 3  |   |    | 3  |      | 7    |    | 3  |          | 13    |    |
| Hispaniola             | e  |      |   |     |   |     |   |     |    |   | 1  |    |      |      |    |    |          | 1     |    |
| Jamaica                | e  |      |   |     |   |     |   | 1   |    |   |    |    |      | 9    |    | 1  |          | 10    |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 1    |    |    |          | 1     |    |
| Martinique             | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 8    |    | 1  |          | 9     |    |
| Montserrat             | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 1    |    | 1  |          | 2     |    |
| Navassa I.             | ne |      |   |     |   |     |   |     |    |   |    |    |      | 2    |    |    |          | 2     |    |
| Neth. Leeward I        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 2    |    |    |          | 2     |    |
| Puerto Rico            | e  |      |   |     |   |     |   | 1   | 1  | 1 | 1  |    |      | 2    |    | 2  |          | 5     |    |
|                        | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 4    |    | 1  |          | 5     |    |
| St Kitts-Nevis         | ne |      |   |     |   |     |   |     |    |   |    |    |      | 3    |    |    |          | 3     |    |
| St Lucia               | ne |      |   |     |   |     |   | 1   | 1  |   |    |    |      | 5    |    | 2  |          | 7     |    |
| St Mart & St Bt        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 1    |    |    |          | 1     |    |
| St Vincent             | e  |      |   |     |   |     |   |     | 1  |   |    |    |      |      |    | 1  |          | 1     |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    |    |      | 6    |    |    |          | 6     |    |
| Trinidad/Tobago        | e  |      |   |     |   |     |   |     |    |   |    | 1  | 12   |      |    |    |          | 13    |    |
|                        | ne |      |   |     |   |     |   |     |    |   |    | 1  | 6    |      | 11 |    | 1        |       | 18 |
| Turks & Caicos         | ne |      |   |     |   |     |   | 1   |    |   |    |    |      | 4    |    |    | 1        |       | 5  |
| <u>NORTH AMERICA</u>   |    |      |   |     |   |     |   |     |    |   |    |    |      |      |    |    |          |       |    |
| U.S.A.                 | e  |      |   |     |   |     |   |     |    |   |    |    |      | 2    |    |    |          | 2     |    |
|                        | ne |      |   |     |   |     |   |     | 1  |   |    |    |      | 1    |    | 1  |          | 2     |    |
| Alabama                | ne |      |   |     |   |     |   | 1   |    |   |    |    |      |      |    |    |          | 1     |    |
| Florida                | e  |      | 1 |     |   |     |   |     |    |   |    |    |      | 1    |    | 1  |          | 2     |    |
|                        | ne |      |   |     |   |     |   | 2   |    |   |    |    |      | 5    |    | 2  |          | 7     |    |
| Georgia                | ne |      |   |     |   |     |   | 1   |    |   |    |    |      |      |    |    |          | 1     |    |
| Mississippi            | ne |      |   |     |   |     |   | 1   |    |   |    |    |      |      |    |    |          | 1     |    |
| S. Carolina            | ne |      |   |     |   |     |   | 1   |    |   |    |    |      |      |    |    |          | 1     |    |
| Texas                  | ne |      |   |     |   |     |   |     |    |   |    |    |      | 1    |    |    |          | 1     |    |
| <u>CENTRAL AMERICA</u> |    |      |   |     |   |     |   |     |    |   |    |    |      |      |    |    |          |       |    |
| Central America        | ne |      |   |     |   |     |   |     |    |   |    |    | 1    |      |    |    |          | 1     |    |
| Belize                 | ne |      |   |     |   |     |   | 3   |    |   |    | 6  | 13   |      | 12 |    | 9        |       | 34 |
| Costa Rica             | e  |      | 4 |     |   | 16  |   |     |    |   |    | 19 |      |      |    | 20 |          | 39    |    |
|                        | ne |      | 1 |     |   | 11  |   |     | 2  |   |    | 18 |      | 11   |    | 14 |          | 43    |    |
| El Salvador            | ne |      |   |     |   | 1   |   |     |    |   |    | 1  |      |      | 3  |    | 1        |       | 5  |
| Guatemala              | e  |      | 1 |     |   | 1   |   | 1   | 17 |   |    | 4  |      |      |    | 20 |          | 24    |    |
|                        | ne |      |   |     |   | 9   |   |     | 11 |   |    | 16 |      | 12   |    | 20 |          | 48    |    |
| Honduras               | e  |      |   |     |   | 4   |   |     |    |   | 2  | 3  |      |      |    | 2  |          | 5     |    |
|                        | ne |      |   |     |   |     |   |     |    |   | 10 |    |      | 10   |    | 6  |          | 26    |    |

Key and explanation: e = endemic, ne = non-endemic (i.e. to the area concerned).

Plant are recorded for regions, e.g. "Central America", only where individual country distributions are not known. Similarly, for Brazil, Mexico & U.S.A., plant records are either at the country level or at the state level, not both.

(These pages are the output of the TPU's PLTCOUNT programme, run on 4 January 1988.)

NUMBERS OF NEW WORLD PALM TAXA ARRANGED BY COUNTRY

4 January 1988

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| <u>AREA NAME</u> (Cont.) | Ex | Ex/E | E | E/V | V | V/R | R | E/R | I  | C | K | ?  | V/nt | R/nt | nt | O  | Threat'd | Total |
|--------------------------|----|------|---|-----|---|-----|---|-----|----|---|---|----|------|------|----|----|----------|-------|
| Mexico                   | e  |      | 9 |     | 9 |     | 3 |     | 13 |   | 1 | 9  |      | 2    |    | 34 | 46       |       |
|                          | ne |      |   |     | 3 |     | 1 |     | 4  |   | 9 |    | 11   |      | 8  | 28 |          |       |
| Guadalupe                | e  |      |   |     |   |     | 1 |     |    |   |   |    |      |      | 1  | 1  |          |       |
| Guanajuato               | e  |      |   |     |   |     |   |     |    | 1 |   |    |      |      | 1  | 1  |          |       |
| Nuevo Leon               | e  |      | 1 |     |   |     |   |     |    |   |   |    |      |      | 1  | 1  |          |       |
| Oaxaca                   | ne |      |   |     |   | 1   |   |     |    |   |   |    |      |      | 1  | 1  |          |       |
| Quintana Roo             | ne |      |   |     |   | 2   |   |     |    |   |   |    |      |      | 2  | 2  |          |       |
| S Luis Potosi            | ne |      |   |     |   | 1   |   |     |    |   |   |    |      |      | 1  | 1  |          |       |
| Tabasco                  | ne |      |   |     | 1 |     |   |     |    |   |   |    |      |      | 1  | 1  |          |       |
| Veracruz                 | e  |      | 1 |     |   |     |   |     | 2  |   |   |    |      |      | 3  | 3  |          |       |
|                          | ne |      |   |     |   | 2   |   |     |    | 1 |   |    |      |      | 3  | 3  |          |       |
| Yucatan                  | ne |      |   |     | 1 | 2   |   |     |    |   |   |    |      |      | 3  | 3  |          |       |
| Nicaragua                | e  |      |   |     |   |     |   |     |    |   |   | 5  |      |      | 5  |    |          |       |
|                          | ne |      |   |     |   |     |   |     |    |   |   | 12 |      | 6    |    | 5  | 23       |       |
| Panama                   | e  |      |   |     |   |     | 1 |     |    |   |   | 23 |      | 9    |    | 24 | 33       |       |
|                          | ne |      |   |     | 1 | 13  |   |     |    |   |   | 2  |      | 21   |    | 16 | 48       |       |

SOUTH AMERICA

|               |    |   |   |   |   |   |   |    |   |   |  |   |     |  |    |   |    |     |
|---------------|----|---|---|---|---|---|---|----|---|---|--|---|-----|--|----|---|----|-----|
| South America | ne |   |   |   |   |   |   |    |   |   |  |   |     |  | 2  |   | 2  |     |
| Argentina     | ne |   |   |   |   | 1 |   |    |   |   |  | 1 | 2   |  | 6  |   | 1  | 10  |
| Bolivia       | e  |   | 1 |   |   | 1 |   |    |   |   |  |   | 19  |  |    | 2 | 21 |     |
|               | ne |   |   |   |   |   |   |    |   |   |  | 2 | 13  |  | 12 |   | 2  | 27  |
| Brazil        | e  |   |   |   |   |   | 7 |    | 2 |   |  | 1 | 197 |  | 5  |   | 10 | 212 |
|               | ne |   |   |   |   |   | 1 | 2  |   |   |  | 4 | 81  |  | 47 |   | 7  | 136 |
| Bahia         | e  |   | 1 | 1 |   |   |   |    | 1 |   |  |   |     |  | 1  |   | 3  | 4   |
| Es. Santo     | ne |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Goias         | ne |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Mato Grosso   | e  |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Minas Gerais  | ne |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Piaui         | ne |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Rio de Jan.   | e  |   |   | 1 |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
|               | ne |   |   | 3 |   |   |   |    |   |   |  |   |     |  |    | 3 | 3  |     |
| Rio Grande S  | ne |   |   |   |   |   |   |    |   |   |  |   | 1   |  |    |   | 1  |     |
| Sao Paulo     | e  |   | 1 |   |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
|               | ne |   | 1 |   |   |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Chile         | e  |   |   |   | 1 |   |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| J Fernandez   | e  |   |   |   |   | 1 |   |    |   |   |  |   |     |  |    | 1 | 1  |     |
| Colombia      | e  |   | 5 | 1 | 3 |   |   |    | 2 |   |  | 1 | 103 |  | 2  |   | 11 | 116 |
|               | ne |   |   |   | 9 |   |   |    | 1 |   |  |   | 84  |  | 38 |   | 10 | 133 |
| Ecuador       | e  |   |   |   |   | 1 |   |    |   |   |  |   | 23  |  |    | 1 | 24 |     |
|               | ne |   |   |   |   | 3 |   |    |   |   |  |   | 47  |  | 23 |   | 3  | 73  |
| French Guiana | e  |   |   |   |   |   | 1 |    |   |   |  |   |     |  |    | 1 | 1  |     |
|               | ne |   |   |   |   |   |   |    |   |   |  |   | 8   |  | 23 |   | 31 |     |
| Guyana        | e  |   |   |   |   |   |   |    |   |   |  |   | 3   |  |    |   | 3  |     |
|               | ne |   |   |   |   |   |   |    |   |   |  |   | 14  |  | 26 |   | 2  | 42  |
| Paraguay      | e  |   |   | 2 |   |   |   |    |   |   |  |   | 9   |  |    | 2 | 11 |     |
|               | ne |   |   |   |   |   |   |    |   |   |  |   | 6   |  | 5  |   | 11 |     |
| Peru          | e  | 1 | 5 |   | 2 |   |   | 3  |   | 8 |  |   | 28  |  | 1  |   | 19 | 48  |
|               | ne |   | 1 |   |   |   |   |    | 1 |   |  |   | 55  |  | 21 |   | 2  | 78  |
| Suriname      | e  |   |   |   |   |   |   | 2  |   |   |  |   | 23  |  |    |   | 2  | 2   |
|               | ne |   |   |   |   |   |   |    |   |   |  |   |     |  |    | 1 | 56 |     |
| Uruguay       | ne |   |   |   | 1 |   |   |    |   |   |  |   | 1   |  |    | 3 |    | 4   |
| Venezuela     | e  |   |   |   | 3 |   |   | 10 |   |   |  |   | 19  |  | 8  |   | 13 | 40  |
|               | ne |   |   |   | 1 |   |   |    |   | 2 |  |   | 32  |  | 31 |   | 3  | 66  |

| <u>TOTALS</u>               | <u>ENDEMICS</u> | <u>NON-ENDEMICS</u> | <u>TOTALS</u> |
|-----------------------------|-----------------|---------------------|---------------|
| Extinct/Endangered (Ex/E)   | 1               |                     | 1             |
| Endangered (E)              | 44              | 7                   | 51            |
| Endangered/Vulnerable (E/V) | 2               |                     | 2             |
| Vulnerable (V)              | 49              | 27                  | 76            |
| Rare (R)                    | 47              | 3                   | 50            |
| Indeterminate (I)           | 78              | 20                  | 98            |
| Insufficiently known (K)    | 18              | 2                   | 20            |
| Status unassigned (?)       | 466             | 177                 | 643           |
| Not threatened (nt)         | 71              | 90                  | 161           |
| <b>TOTAL THREATENED</b>     | <b>221</b>      | <b>57</b>           | <b>278</b>    |
| <b>GRAND TOTAL</b>          | <b>776</b>      | <b>326</b>          | <b>1102</b>   |



## APPENDIX I

### NATURAL HYBRIDIZATION IN NEOTROPICAL PALMS

Michael J. Balick

There is often a great deal of variation to be found among individuals in native palm populations. These morphological differences are often a reflection of the natural variation that is produced by environmental conditions or even true genetic variation. Sometimes, in a population comprising several related species (or even genera) of palms, variation that is beyond what is usually expected can be found. When the variation reveals a series of characters intermediate in nature between other members of the population, then hybridization can be suspected. Hybrids have been recognized only over the past few decades, as botanists have turned to field studies as an essential part of palm taxonomy, rather than relying solely on herbarium material. Table 1 is a list of natural hybrids described to date. In addition to these hybrids, this author is currently describing several other hybrids, as outlined in Table 2.

TABLE I  
NATURAL PALM HYBRIDS IN THE NEOTROPICS

#### *Bactris* hybrids

*Bactris x moorei* W.Boer  
(*Bactris oligoclada* x *B. humilis*)\*

#### *Copernicia* hybrids

*Copernicia x burretiana* (Leon) Muniz & Borh.  
(*Copernicia hospita* x *C. macroglossa*)

*Copernicia x occidentalis* (Leon) Muniz & Borh.  
(*Copernicia curtissii* x *C. brittonorum*)

*Copernicia x shaferi* Dahlgr. & Glass.  
(*Copernicia hospita* x *C. cowellii*)

*Copernicia x sueroana* Leon  
(*Copernicia hospita* x *C. rigida*)

*Copernicia x textile* (Leon) Dahlgr. & Glass.  
(*Copernicia hospita* x *C. baileyana*)

*Copernicia x vespertilionum* Leon  
(*Copernicia gigas* x *C. rigida*)

#### *Syagrus* hybrids

*Syagrus x camposportoana* (Bond.) Glass.  
(*Syagrus coronata* x *Arecastrum romanoffianum*)

\* Taxa in parentheses represent parent species

*Syagrus x costae* Glass.  
(*Syagrus coronata* x *S. oleracea*)

*Syagrus x matafome* (Bond.) Glass.  
(*Syagrus coronata* x *S. vagans*)

*Syagrus x teixeiriana* Glass.  
(*Syagrus oleracea* x *Arecastrum romanzoffianum*)

*Syagrus x tostana* (Bond.) Glass.  
(*Syagrus coronata* x *Arikuryroba schizophylla*)

***Orbignya* and *Attalea* hybrids**

*Orbignya x teixeirana* (Bond.) Balick, Pinheiro & Anderson  
(*Orbignya phalerata* x *O. eichleri*)

*Attabignya minarum* Balick, Anderson & Medeiros-Costa  
(*Attalea compta* x *Orbignya oleifera*)

TABLE TWO

NEOTROPICAL PALM HYBRIDS CURRENTLY UNDER STUDY/DESCRIPTION

*Oenocarpus - Jessenia complex*

*Jessenia bataua* x *Oenocarpus bacaba*

*Oenocarpus bacaba* x *O. minor*

*Orbignya* and *Maximiliana*

x *Markleya dahlgreniana*  
(*Orbignya phalerata* x *Maximiliana maripa*)

Knowledge of hybridization in palms is important for several reasons. A thorough understanding of the taxonomy of a genus such as *Attalea* (sensu lato) would be impossible without recognizing the presence of natural hybridization. The fact that natural hybridization occurs freely between *Attalea*, *Orbignya* and *Maximiliana*, with resultant fertile offspring gives some weight to the uniting of these genera with *Attalea*. Since hybrid progeny can develop into distinct species over time, it must be recognized that these are distinct taxa worthy of conservation efforts. While some lines such as *Jessenia bataua* x *Oenocarpus bacaba* produce sterile offspring and, as such represent evolutionary dead ends, others such as x *Attabignya minarum* seem to be fully capable of forming massive, reproducing populations. In the case of palms, much greater emphasis needs to be put on field studies of naturally occurring as well as disturbed populations in the wild in order to fully recognize the importance of hybridization in this family.



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